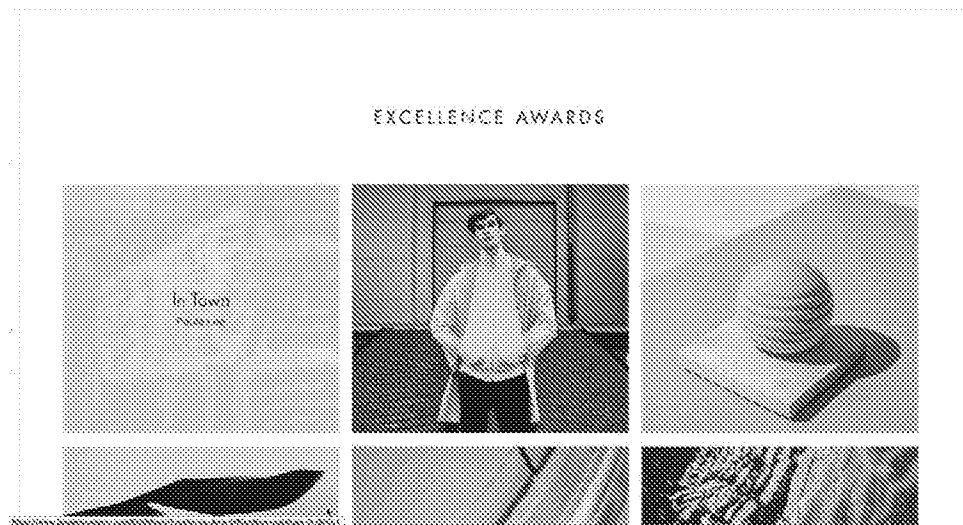


Narration: We'll also store and manage the information we gather from these forms in our database collections...

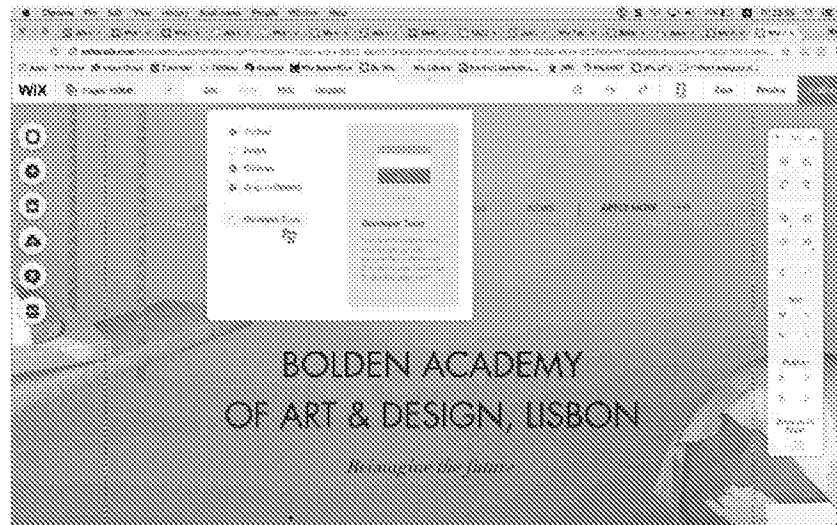


Narration: And display that content on our website in a gallery of student work.

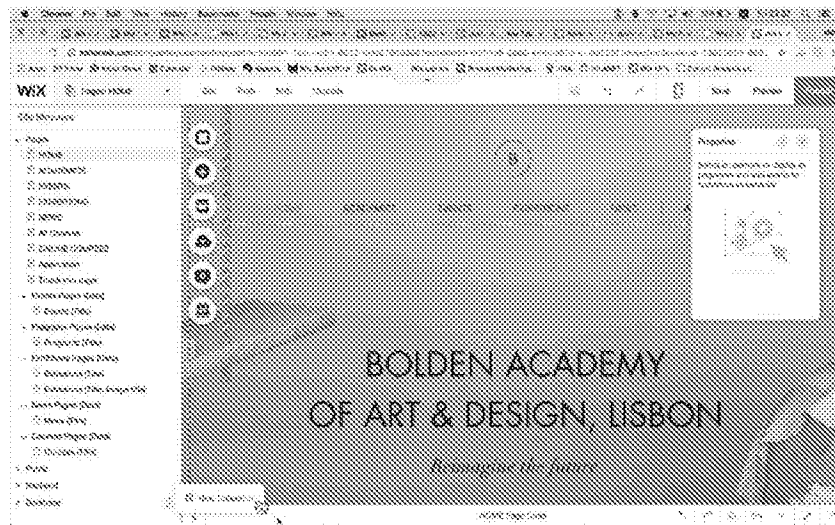


Create a Database Collection

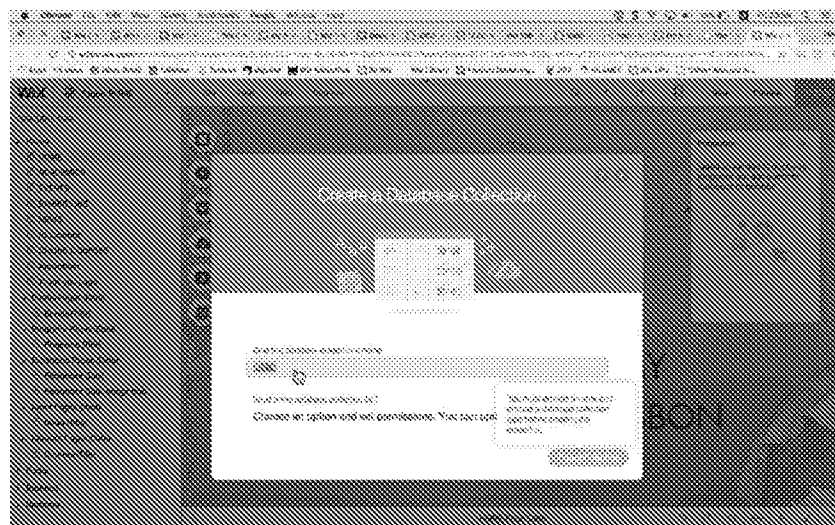
Narration: To use Wix Code on any site, enable **Developer Tools**. In the **Editor**, click **Tools** and check the box next to **Developer Tools** and then **Get Started**.



Narration: Before we create a form, we need a database collection to store the information we gather. To add a database collection, go to **Site Structure** sidebar on the left **HERE**, hover on **Database** at the bottom and then click the **Add** icon. **Click New Collection**.

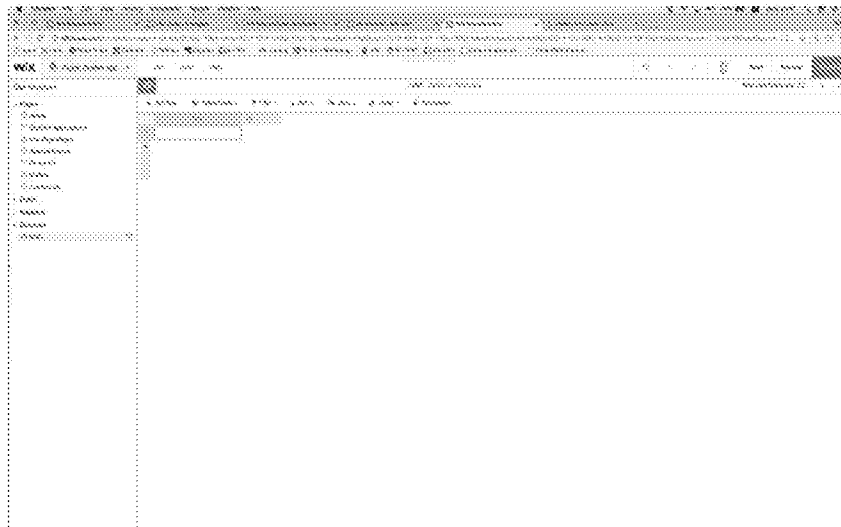


Narration: Give the collection a name, like **Exhibitions**.

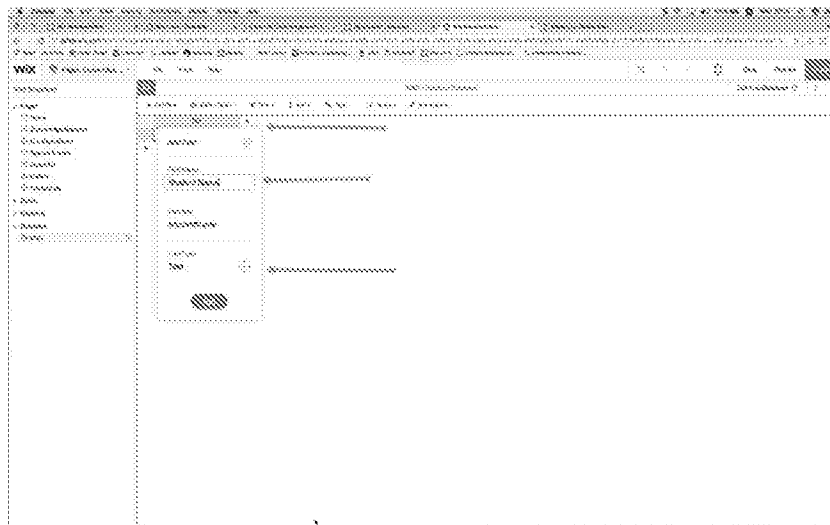




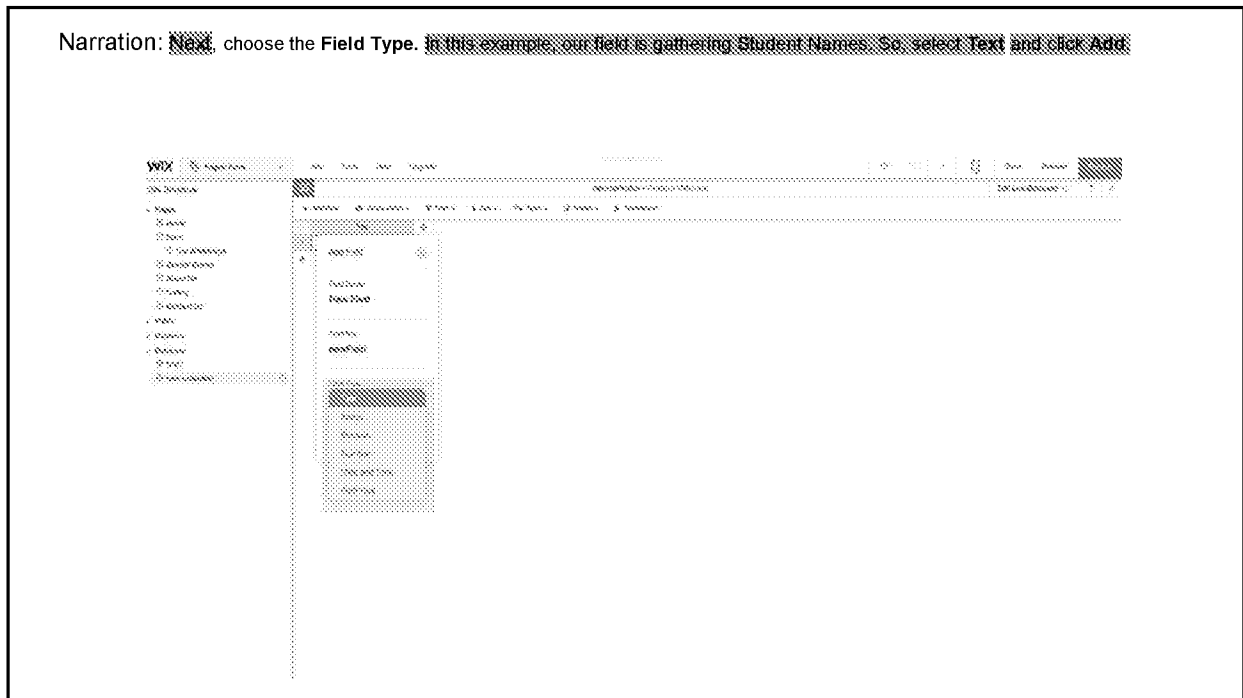
Narration: We'll add fields for the input elements that will be used in our student submission form.



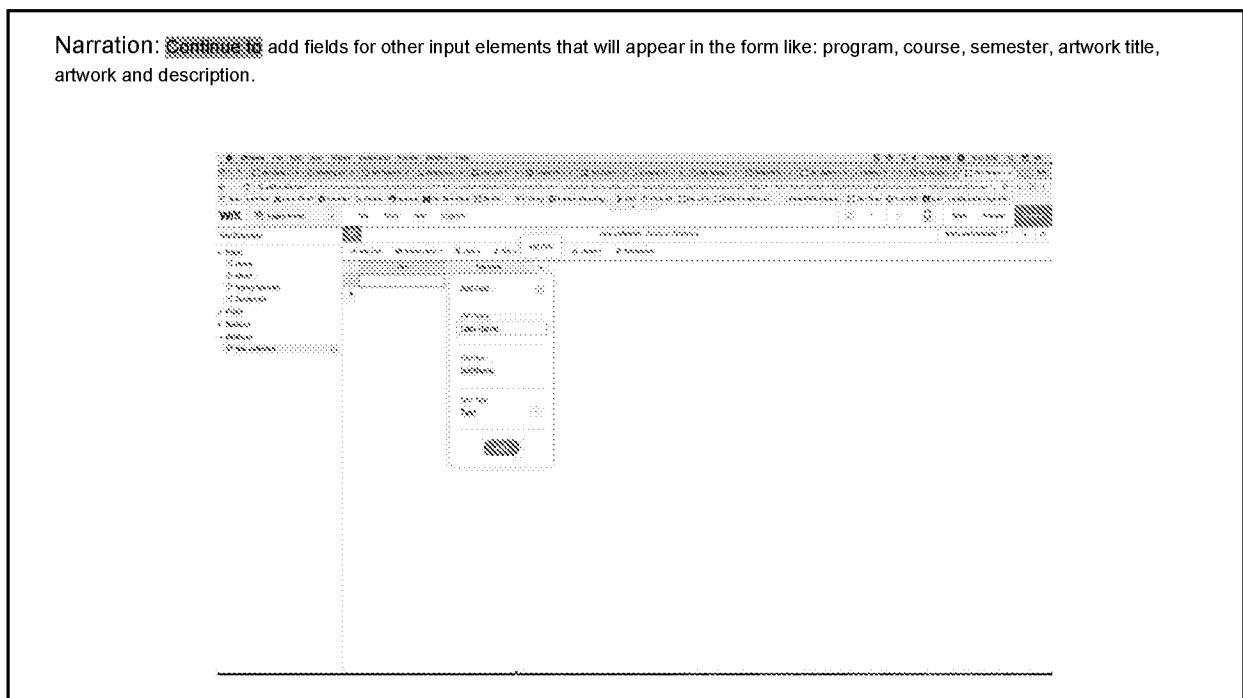
Narration: To add a new field, click **Add Field**. Under **Field Name**, give it a title, like **Student Name**.



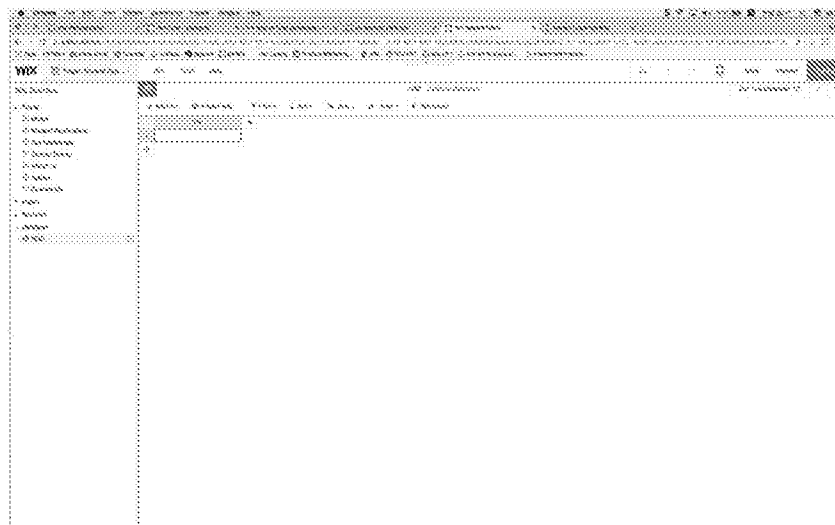
Narration: Next, choose the **Field Type**. In this example, our field is gathering Student Names. So, select **Text** and click **Add**.



Narration: Continue to add fields for other input elements that will appear in the form like: program, course, semester, artwork title, artwork and description.

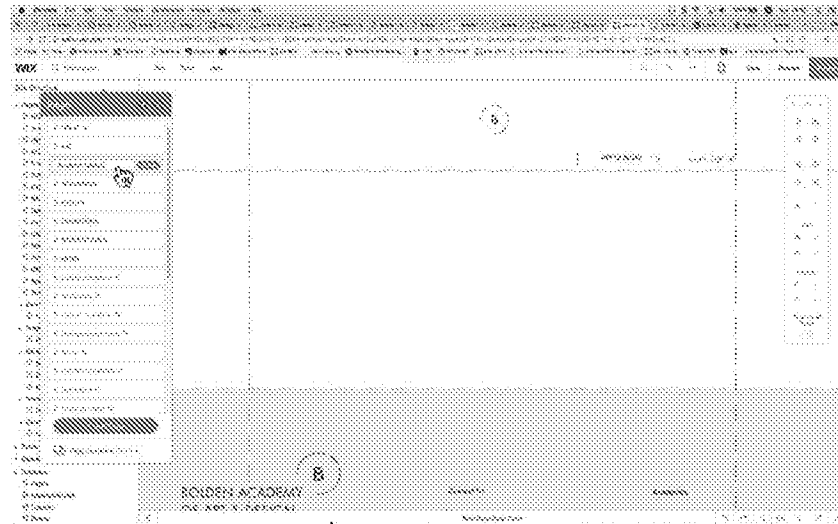


Narration: The Exhibitions collection is now set up. Now, we're ready to start building our custom form.

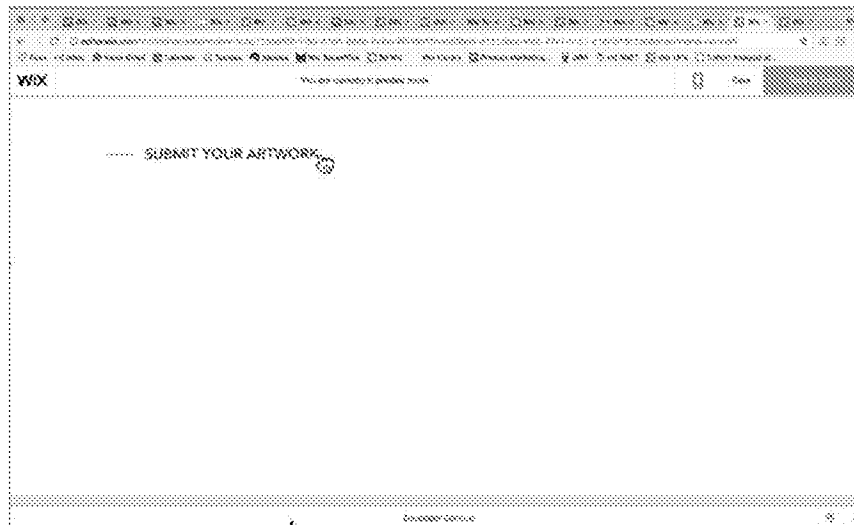


Create and Design a Form

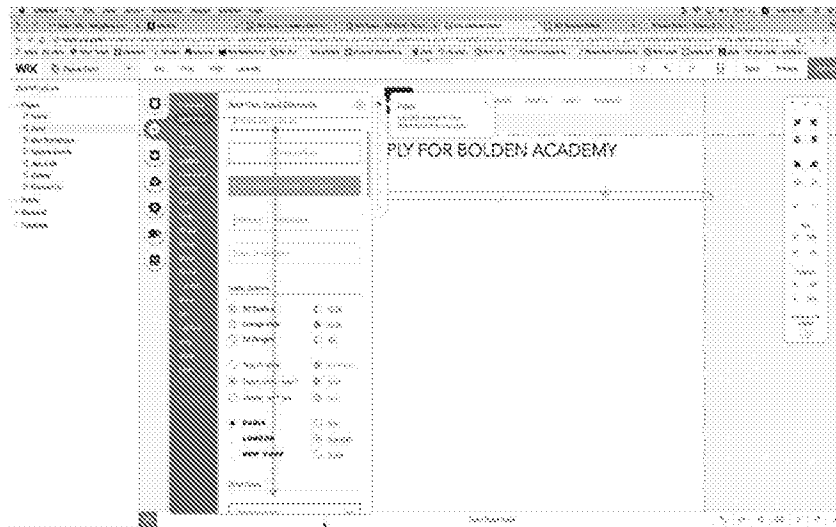
Narration: We want to create a form so students can upload their artwork. To start, we'll need to add a new page to our site. In the Editor, go to the Pages menu, click Add Page and select Page. Give the new page a name, like Student Area, and click Done.



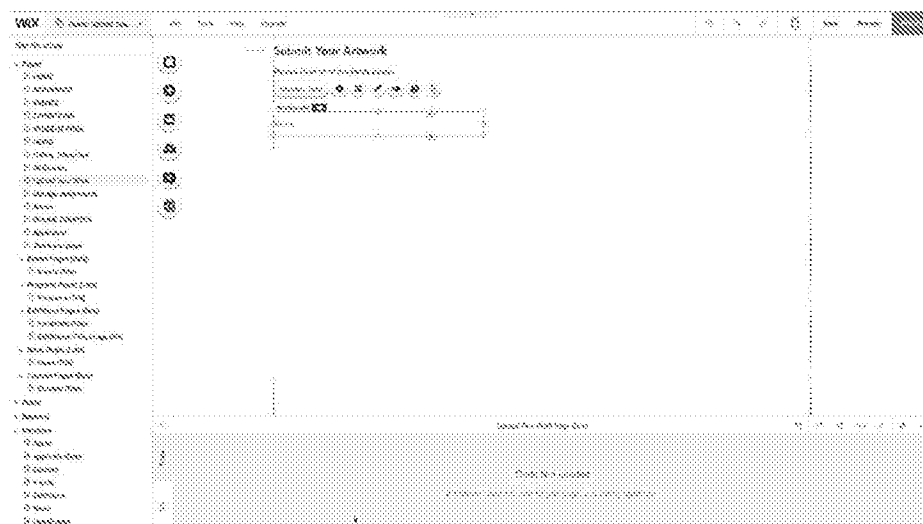
Narration: Now, we can start designing our form. Click Add, Text and drag a textbox onto the page. Give the form a title so visitors know what this page is about.



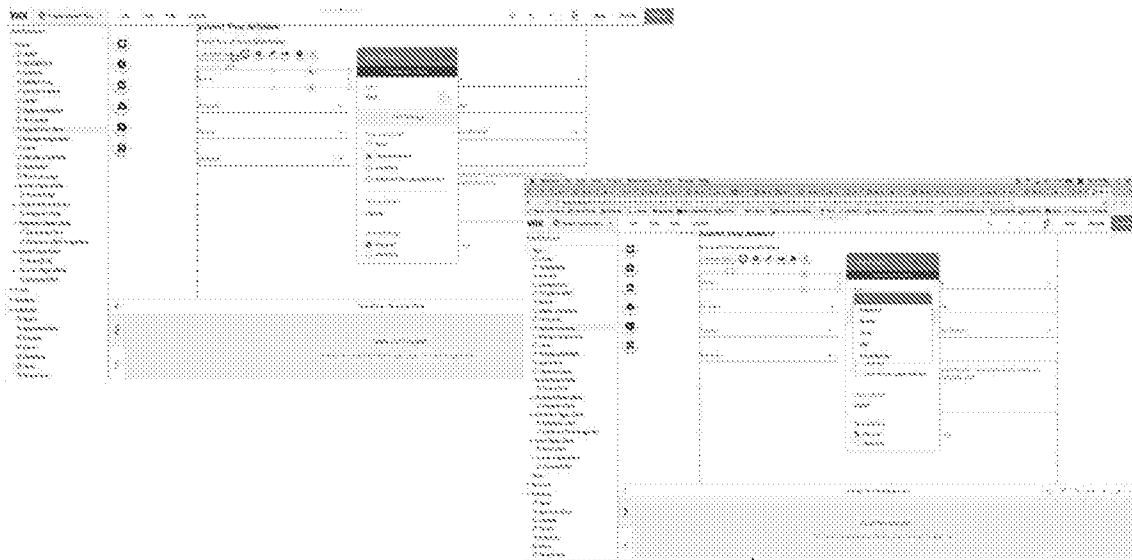
Narration: Next, we will add elements, which allow students to input their information. Click **Add HERE** and **User Input**. Scroll down to see all of the **input** options, like text boxes, radio buttons, drop downs, date pickers and more.



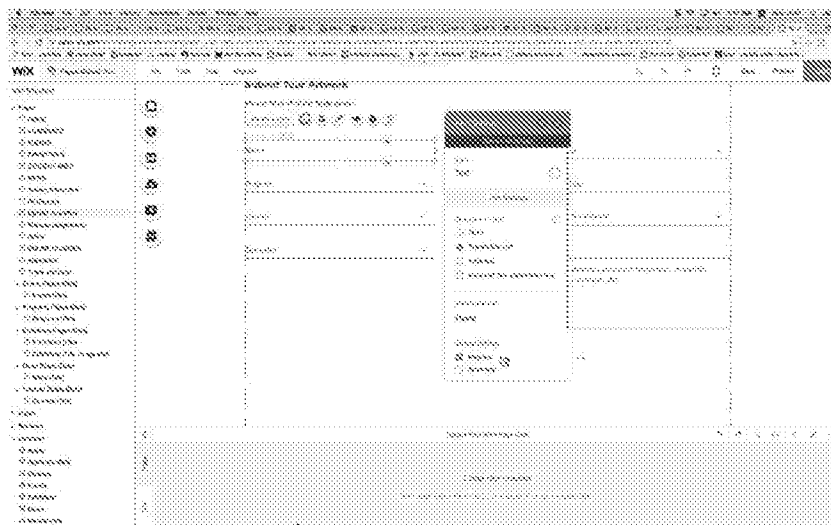
Narration: We'll start with a text input to collect Student Names. Drag and drop it onto the page and customize.



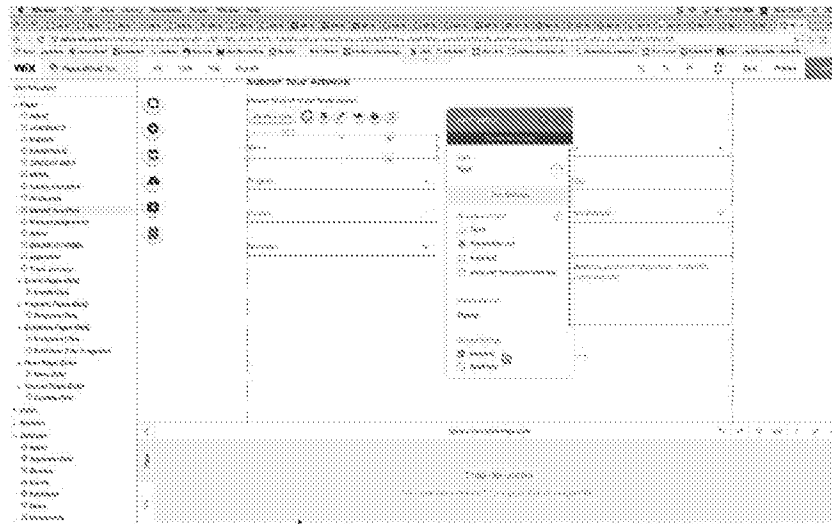
Narration: Click Settings. We'll change the type to Text for new and under Placeholder text, we'll type Name.



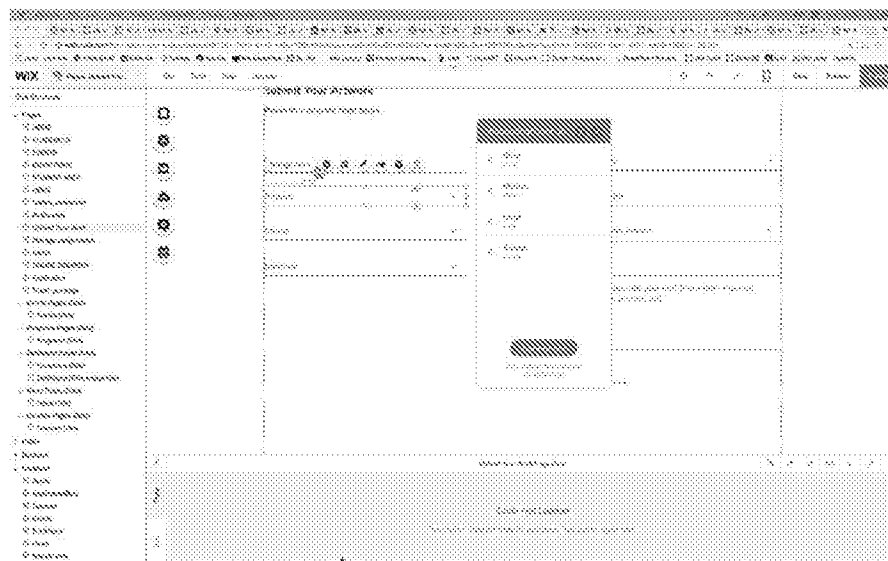
Narration: Under General Settings HERE, set the checkbox to Required. Meaning students must complete this field.



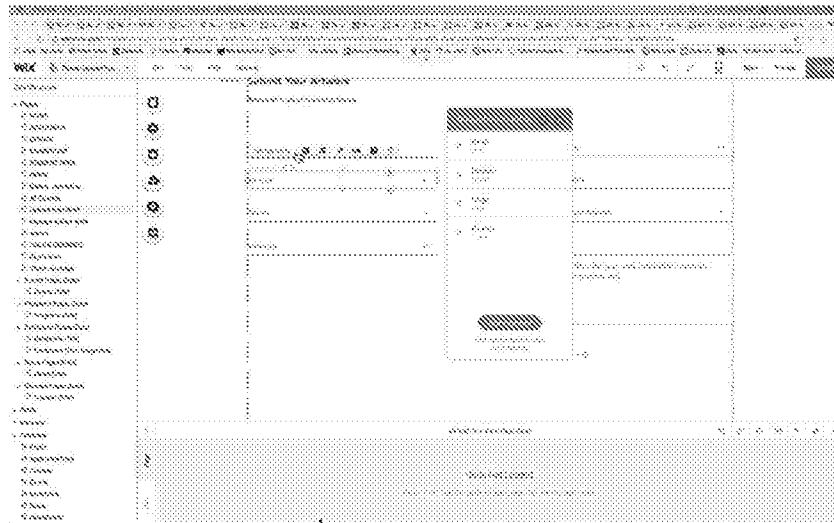
Narration: Now, we'll add a dropdown element for **Program**, so students can specify where they are submitting their artwork. Click the **Settings** icon and change the placeholder text to "Program".



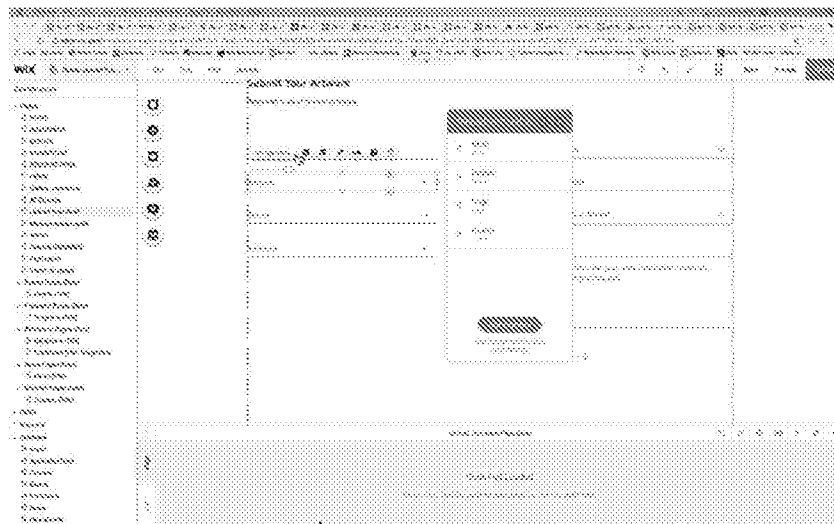
Narration: In the dropdown element, change the names of each item. Click **Manage Items**. Next to each item, click on the icon, select **Rename** and give it a custom name, like **Graphic Design**. This is what will appear in the form.



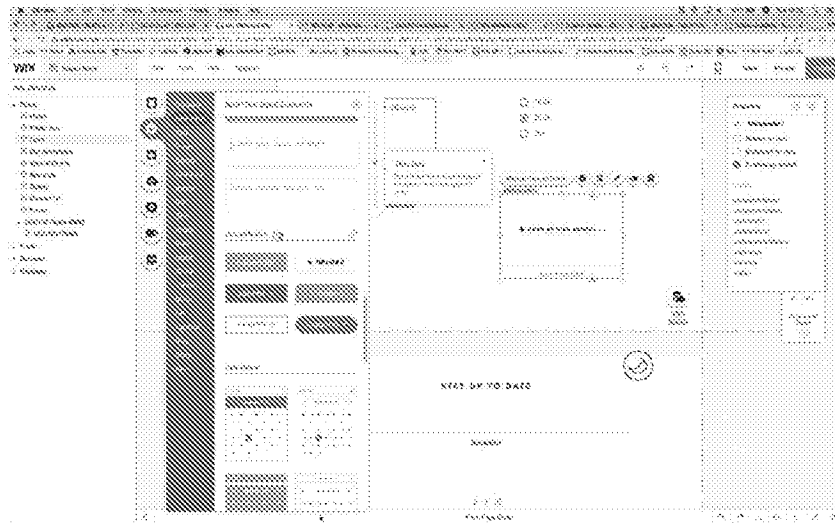
Narration: We also need to edit the value of each item. We can assign any value to the item and that value will appear in the database collection. To do this, click **Manage Items**. Next to each item, click on the icon and select **Edit Value**. In this example, we'll edit the value to **Graphic Design** so it will appear with that name in the **Program** field in our database collection. We'll do this for every item in our list.



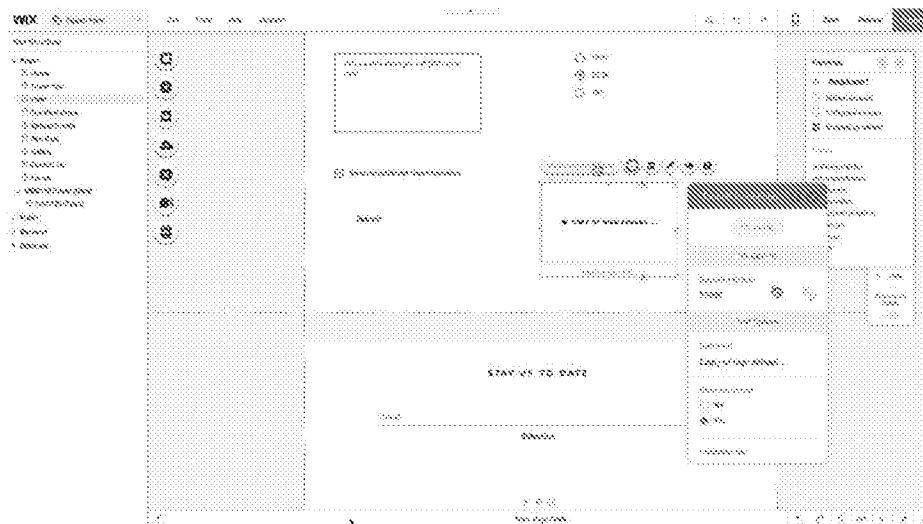
Narration: Let's continue to set up other elements in our form in the same way.



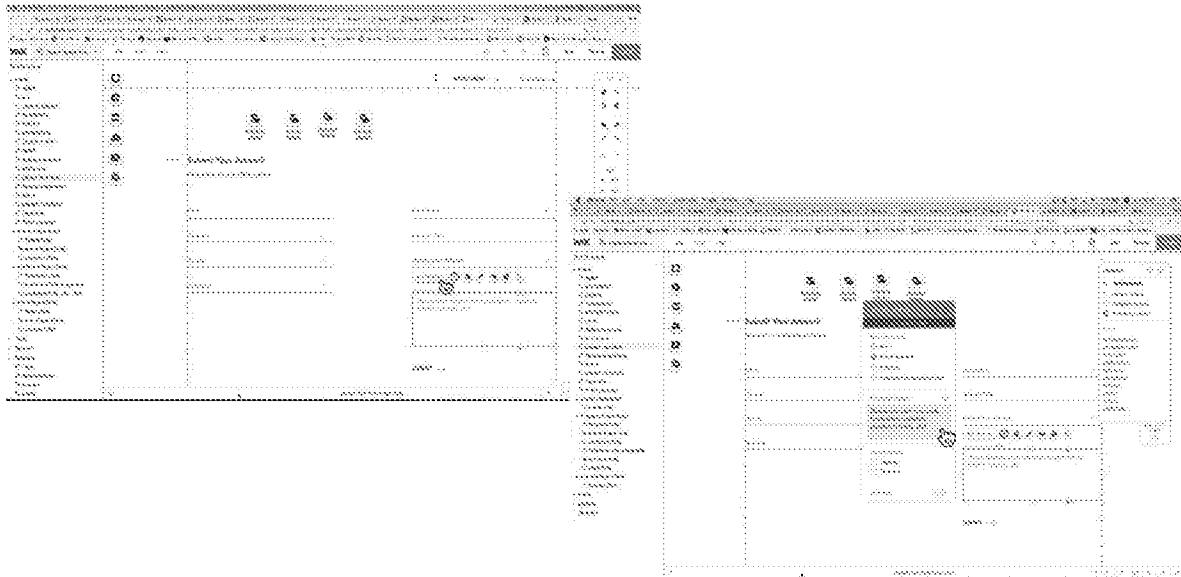
Narration: Now, we need a section for students to upload their artwork. Go to **Add User Input** and select an **Upload Button**.



Narration: Click **Manage Upload Button**. Under **Supported File Type**, choose **Image**.



Narration: Finally, add a textbox so students can describe their artwork. We'll change the placeholder text to give students directions on what to include in their description.



Narration: Now, click **Preview** to see how the form will appear on the site.

Connect the Form to the Database Collection Using a Dataset

Narration: Now, we need to connect our database collection to the student artwork submission form we just created.

STUDENT ARTWORK SUBMISSION

First Name:

Last Name:

Email:

Address:

City:

State:

Zip:

Artwork Description:

Submit



STUDENT ARTWORK SUBMISSION

First Name:

Last Name:

Email:

Address:

City:

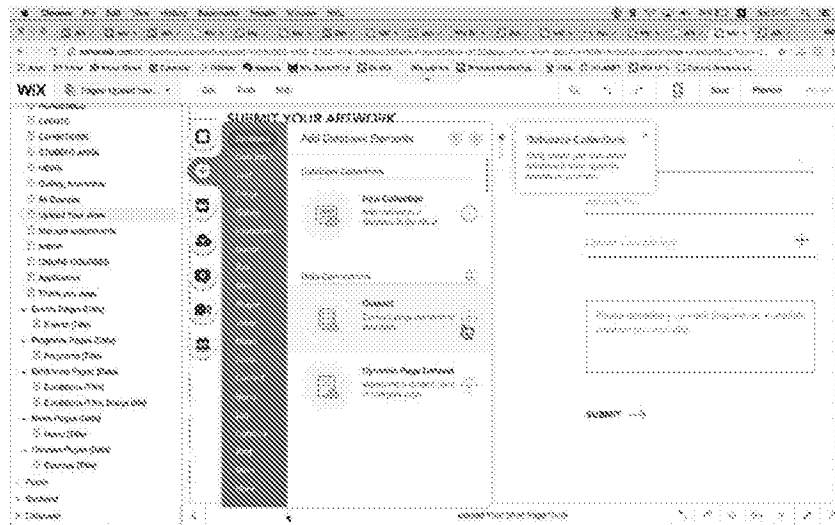
State:

Zip:

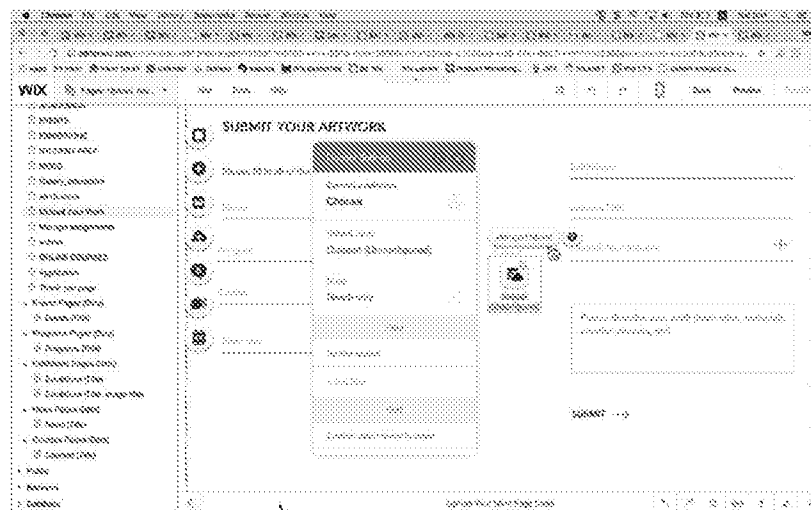
Artwork Description:

Submit

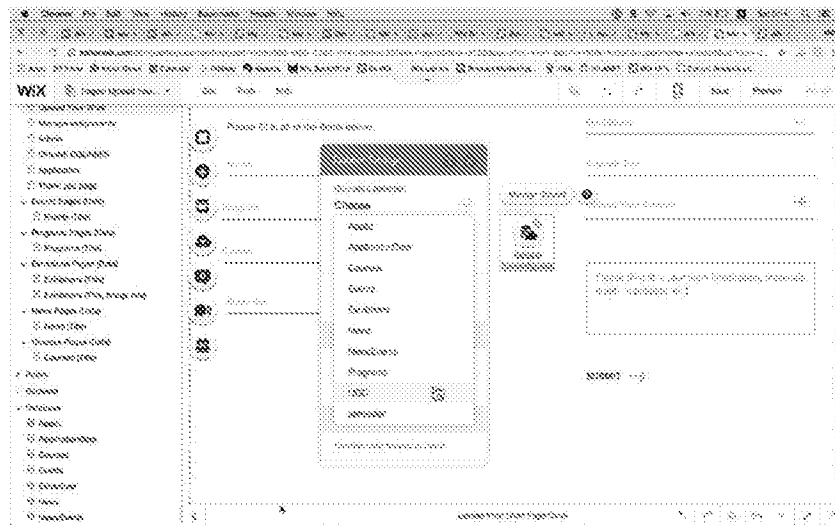
Narration: To add a dataset to our web page, click **Add** and select **Database**. Choose the add icon next to **Dataset**. The **Dataset** component will appear on the page, but our site visitors won't be able to see it. We can move this icon anywhere on the page.



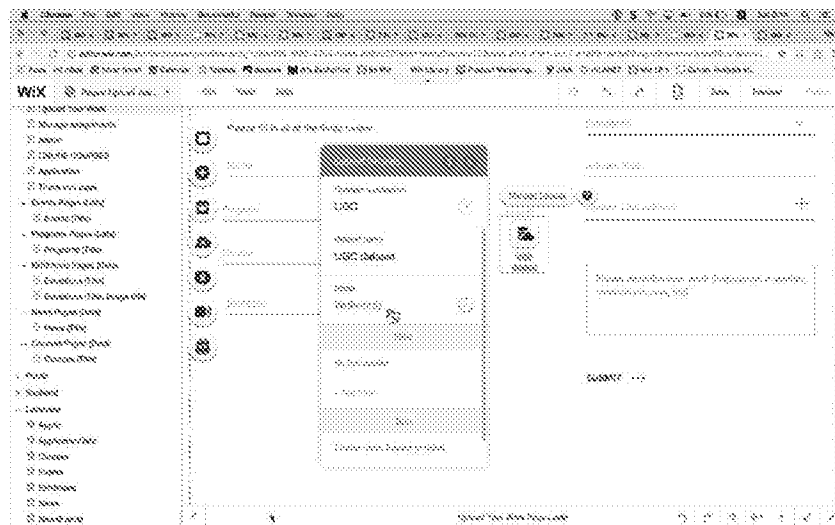
Narration: Click on the **Dataset** and select **Manage Dataset**.



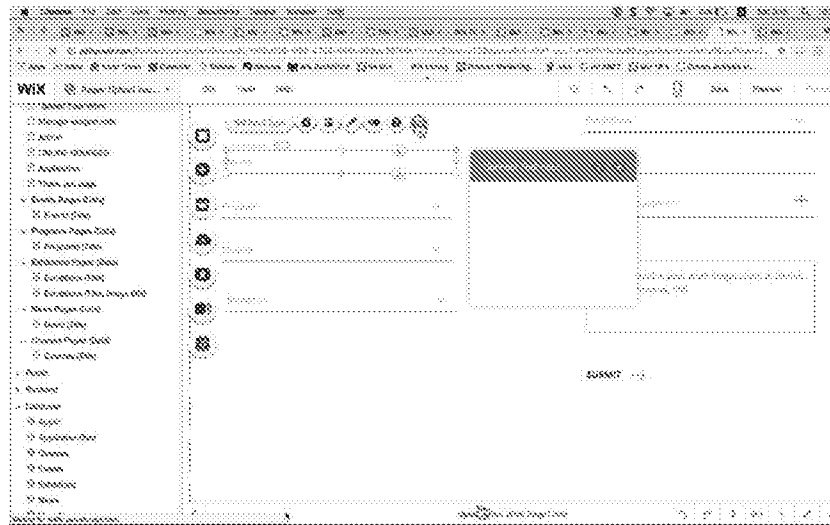
Narration: Click the dropdown button next to **Connect a Collection**. We'll choose a collection to connect the student submission form to, in this example, **Exhibitions**.



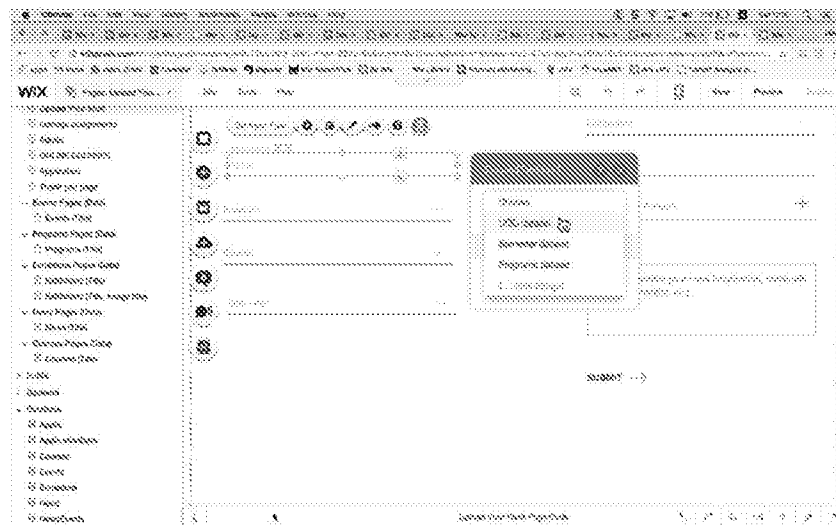
Narration: Change the **Mode** to "Write-only," so students can submit their own content.



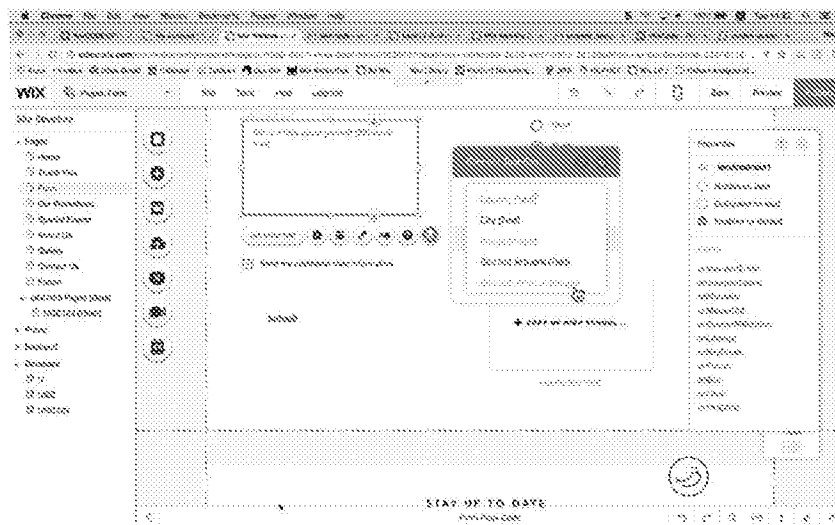
Narration: Now, we can easily connect every element from the form to a field in the collection. Select an element and click on the **Connect to Data** icon.



Narration: The **Exhibitions** dataset will automatically be selected because it's the only dataset we have for this page. Next, connect each input element in the form to its field in the database collection.

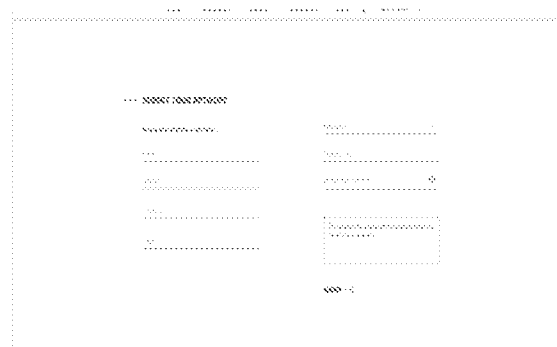


Narration: Connect all of the input elements in the form to fields in the database collection in the same way.

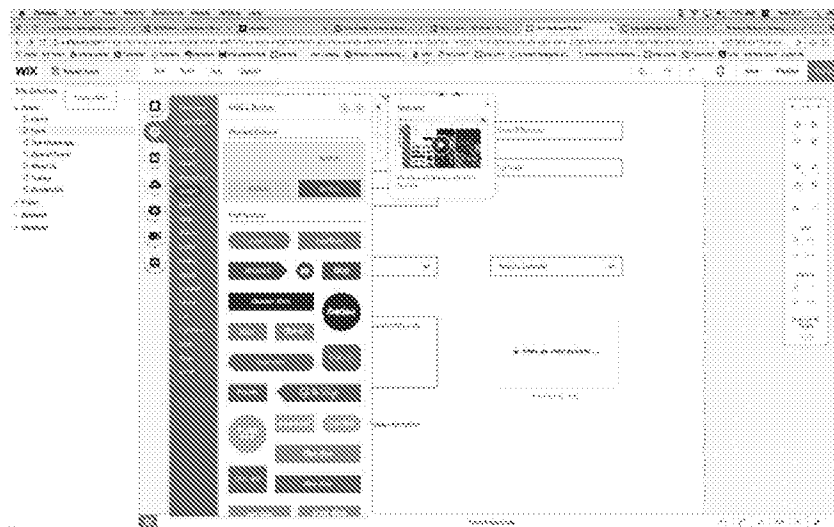


Add a Submit Button and Test the Form

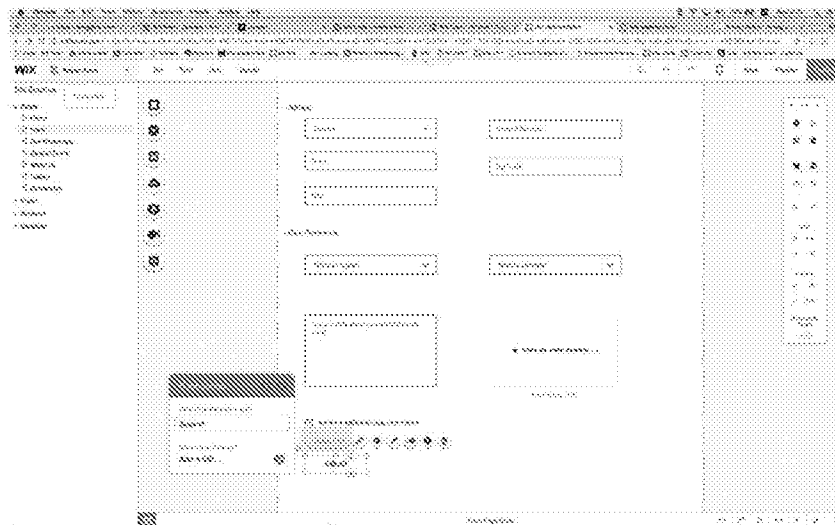
Narration: The last thing we need to do is add a submit button to our form. The submit button will send everything to the database collection.



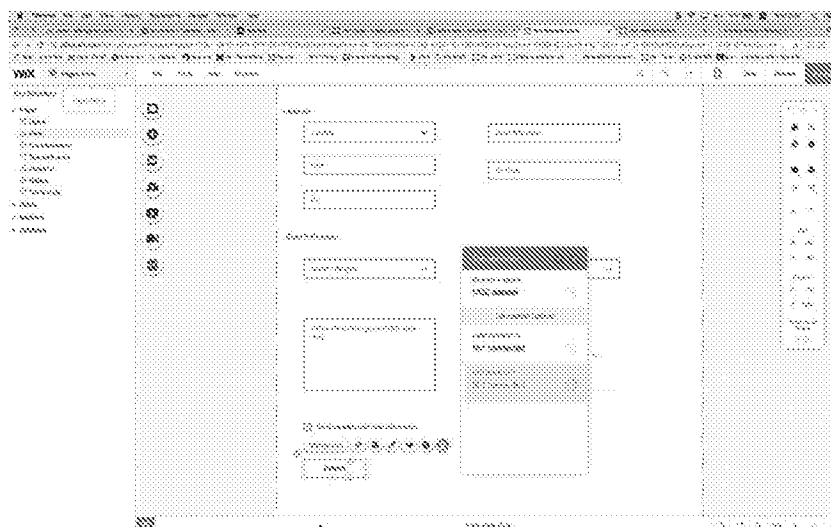
Narration: In the Editor click **Add HERE**, choose a **Button** and drag and drop it onto the page.



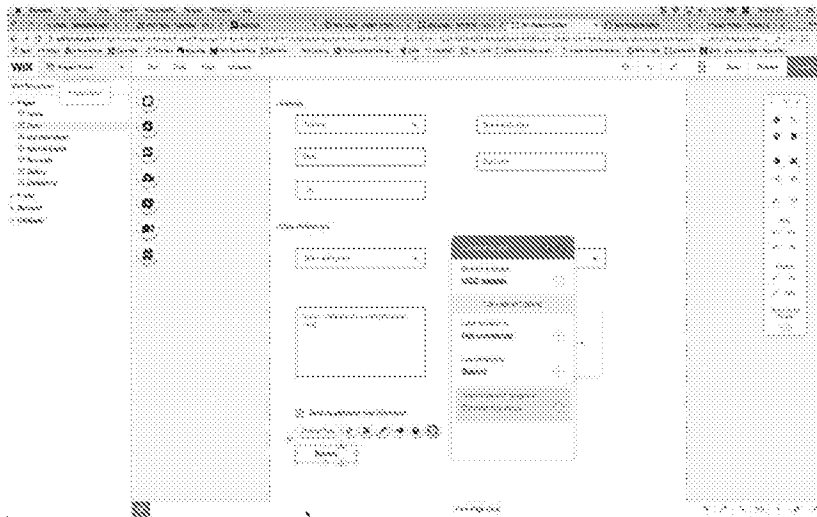
Narration: Click on the button and **Change Text** to “Submit”.



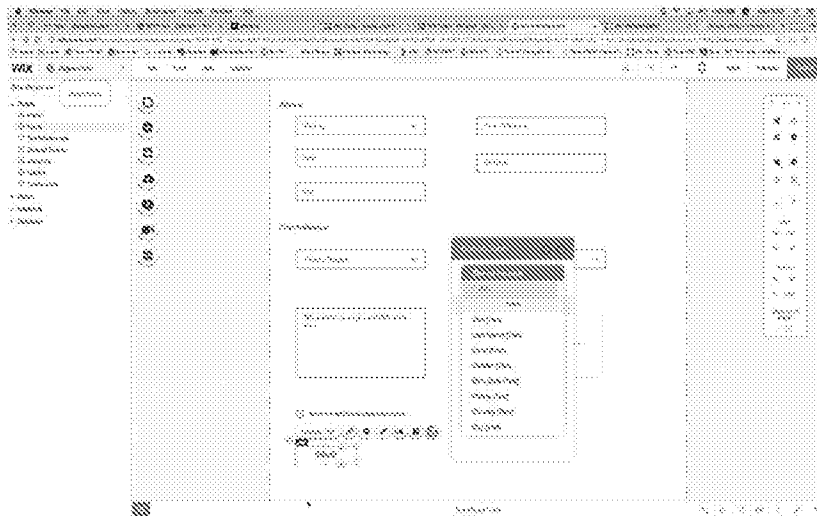
Narration: Now, select **Connect to Data**. Under **Link connects to**, select **Submit**.



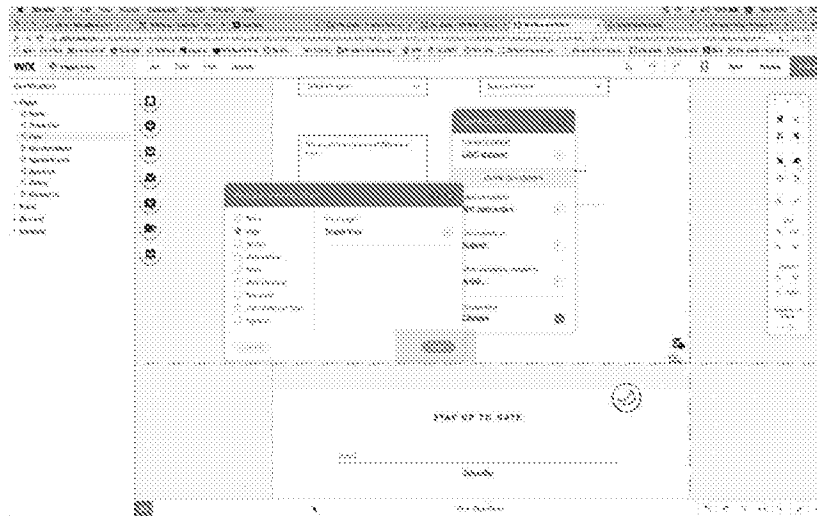
Narration: Next, we need to consider where to send visitors after they complete the form.



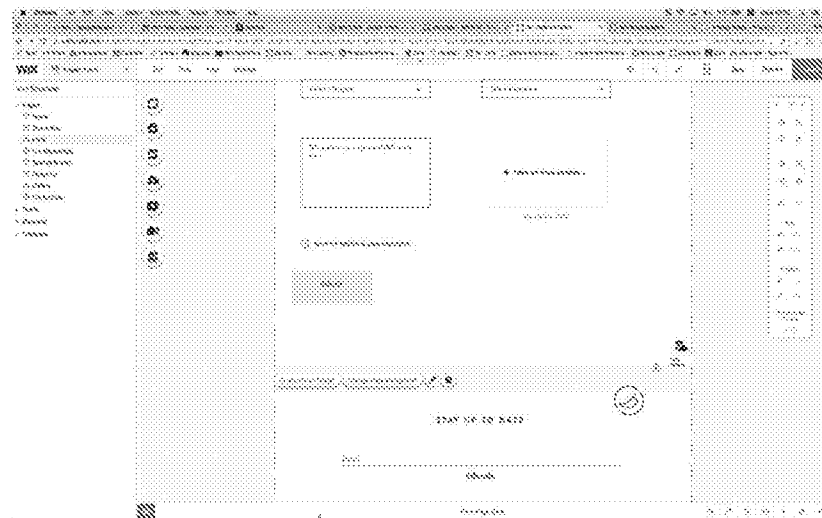
Narration: In the **When successful, navigate to** section, click the dropdown and choose **A link**. Select the page to link to. In this example, we'll choose a "Thank you" page that we created in advance in the Editor.



Narration: Click **Done**.



Narration: The form is ready and we'll **Save** it.



Narration: With everything in place, let's **test** the form to make sure the data submits to our "Exhibitions" collection.

The screenshot shows a web browser window displaying a form titled "APPLY FOR GOLDEN ACADEMY". The form is organized into several sections with labels: "PERSONAL INFO", "CONTACT", "ADDRESS", and "SUBMIT". Each section contains input fields for various pieces of information. The "PERSONAL INFO" section includes fields for "NAME", "LAST NAME", "FIRST NAME", and "MIDDLE NAME". The "CONTACT" section includes fields for "PHONE", "EMAIL", and "WEBSITE". The "ADDRESS" section includes fields for "ADDRESS", "CITY", "STATE", and "ZIP". The "SUBMIT" section includes a "SUBMIT" button. The form is displayed in a browser window with a sidebar menu on the left and a top navigation bar.

Narration: Click **Preview**.

This screenshot is identical to the one above, showing the "APPLY FOR GOLDEN ACADEMY" form in a web browser. The form structure, including the "PERSONAL INFO", "CONTACT", "ADDRESS", and "SUBMIT" sections with their respective input fields, remains the same. The browser interface, including the sidebar and top navigation, is also consistent with the previous image.

Narration: Now fill out the form and click **Submit**.

The screenshot shows a web browser window displaying a form titled "APPLY FOR BOLDEN ACADEMY". The form is divided into three main sections: "Personal Info", "Contact", and "Academic". Each section contains several text input fields for user information. On the right side of the form, there is a "SEND AP DATA" button and two radio buttons labeled "Yes" and "No". The browser's address bar shows a URL starting with "http://www.boldenacademy.com".

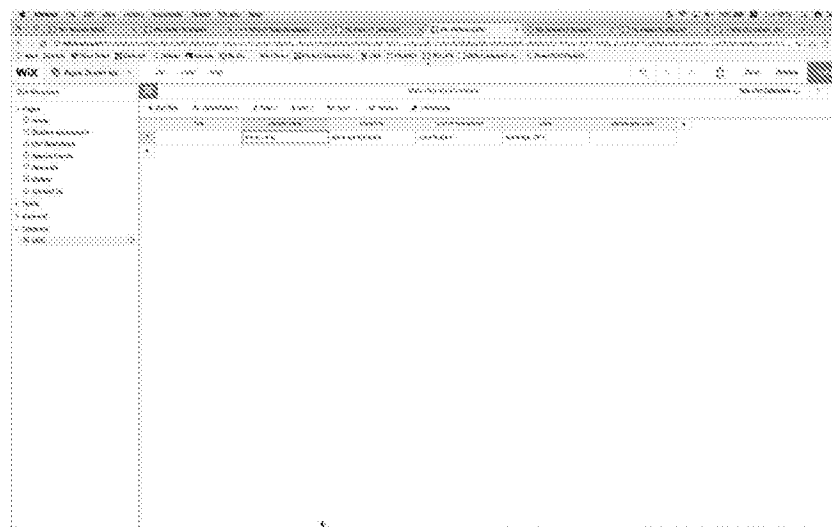
Narration: We see it worked since we go directly to the **Thank You** page.

The screenshot shows a web browser window displaying a "Thank You!" confirmation page. The page has a light blue background with a white central box containing the text: "Thank You!", "Your submission has been received.", and "We will notify you in the near of your application." Below this, there is a timestamp "5/17/17 11:11 AM" and a small circular logo. The browser's address bar shows a URL starting with "http://www.boldenacademy.com".

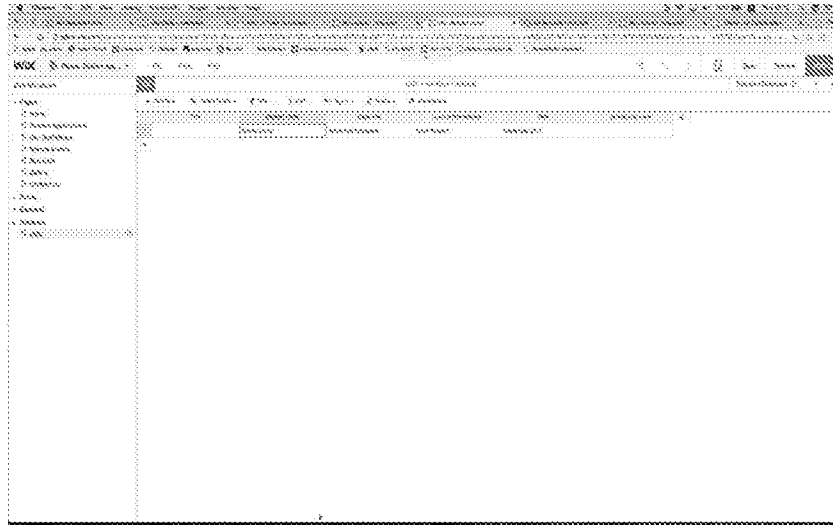
Narration: Click **Back to Editor** to view the information submitted in the database collection.

The screenshot shows a web browser window displaying a "Student Application Form". The form is titled "Student Application Form" and contains several input fields and a submit button. The fields are labeled "Name", "Student ID", "Address", "City", "State", and "Zip". There is also a "Submit" button at the bottom of the form. The browser's address bar shows the URL "http://www.wix.com/...".

Narration: In **Site Structure** sidebar HERE, go to **Database** and select Exhibitions.

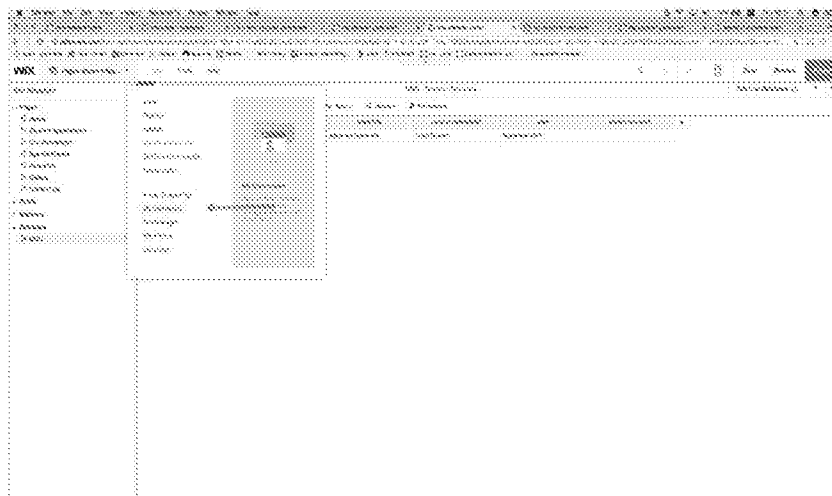


Narration: As we can see, the information was collected.

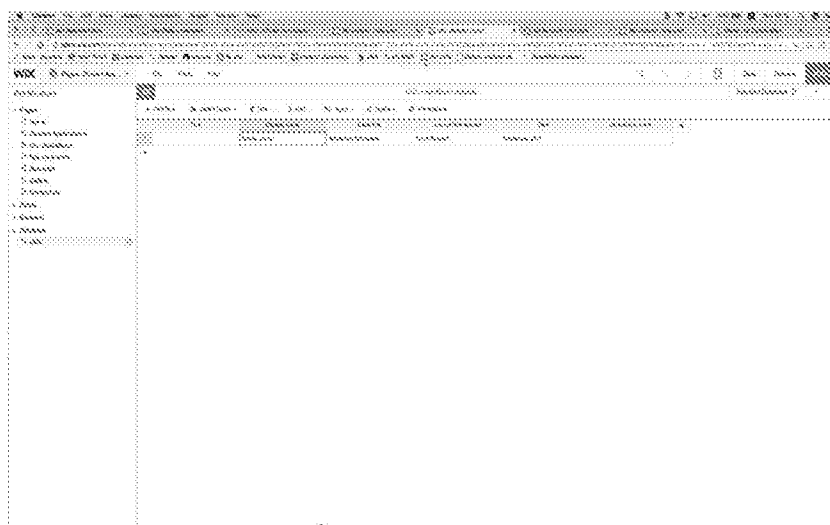


Sync to Live Database

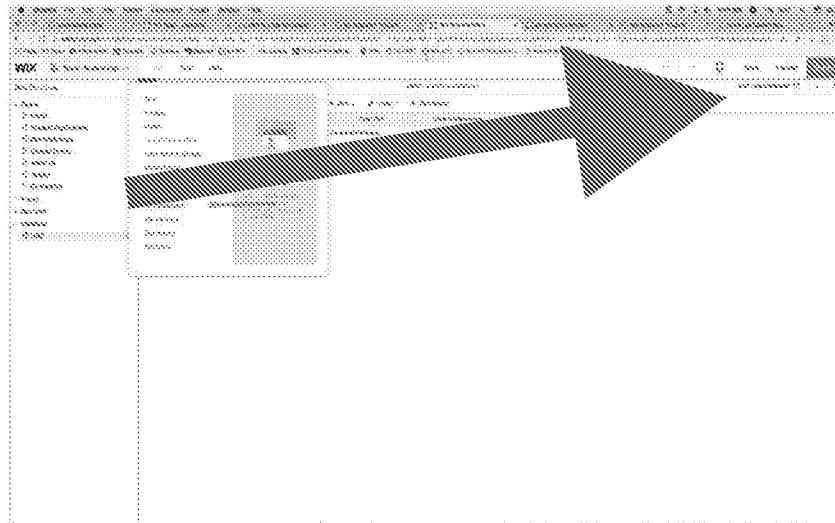
Narration:



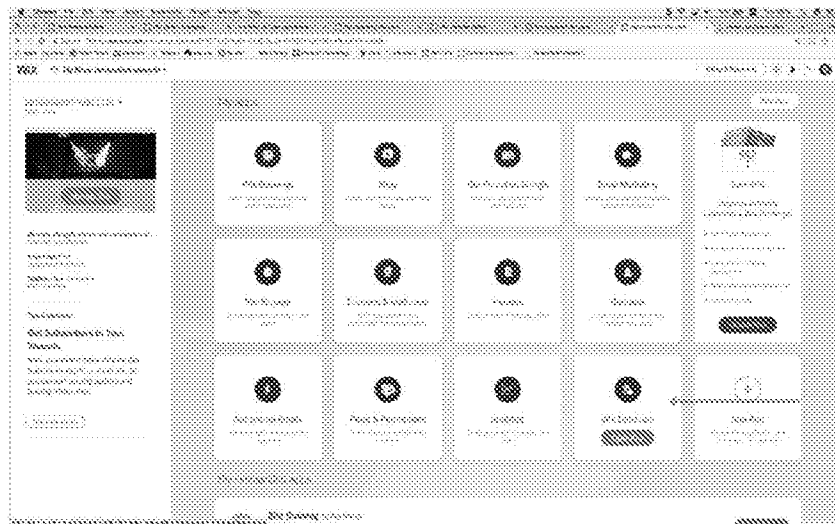
Narration:



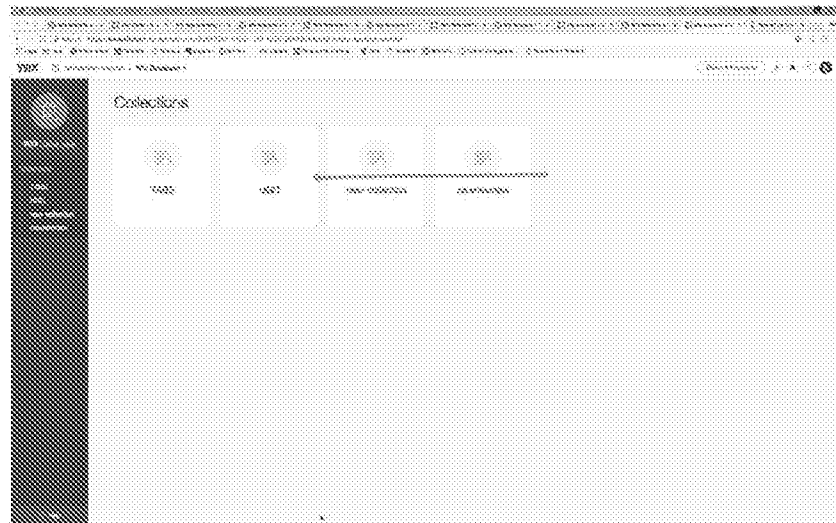
Narration: Now, let's go to the Live Database to view student submissions. We can access the Live Database from **HERE**, **Edit Live Database...**



Narration: Or, from the site dashboard by clicking on Site, My Dashboard and then to the **Wix Database** app.



Narration: Here we can see all of our collections. Let's view the **Exhibitions** collection.



Narration: We see all of our student submissions.

WIX		Project: H00000		2016	2015	2014	2013		2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1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[illegible]

Narration: Now you're ready. This video is always here, so come back and watch again for more help. You can also visit our [Resources](#) page for tutorials, articles, example code and more.

Wix Code Creation Without Limits

Present Visitors' Data on Your Website

Narration: Now, we'll present the data we collected from our student submission form as a Student Exhibitions gallery on our website.

EXCELLENCE AWARDS

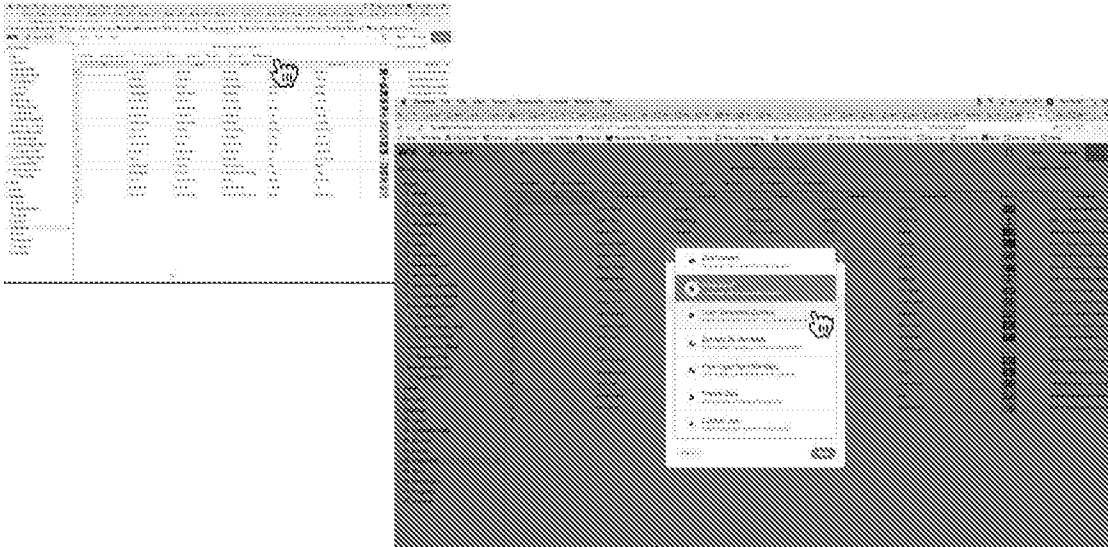


Narration: This is our Live Database. It stores all the information our students submitted from the form.

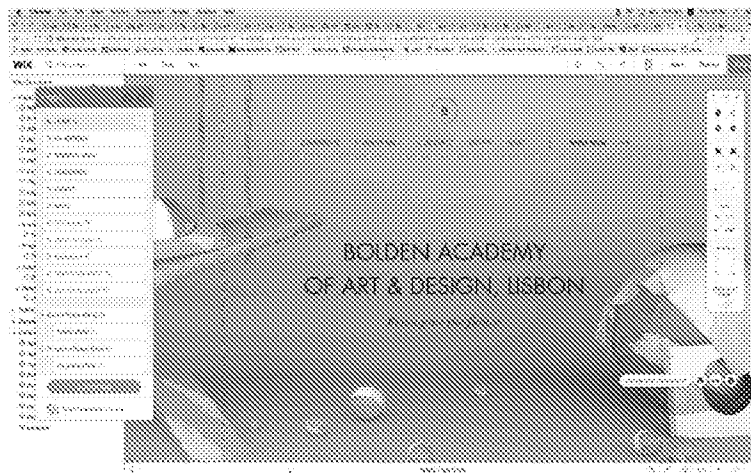
Number	Name	Location	Date	Status
1	Exhibition 1	Exhibition 1	Exhibition 1	Exhibition 1
2	Exhibition 2	Exhibition 2	Exhibition 2	Exhibition 2
3	Exhibition 3	Exhibition 3	Exhibition 3	Exhibition 3
4	Exhibition 4	Exhibition 4	Exhibition 4	Exhibition 4
5	Exhibition 5	Exhibition 5	Exhibition 5	Exhibition 5
6	Exhibition 6	Exhibition 6	Exhibition 6	Exhibition 6
7	Exhibition 7	Exhibition 7	Exhibition 7	Exhibition 7
8	Exhibition 8	Exhibition 8	Exhibition 8	Exhibition 8
9	Exhibition 9	Exhibition 9	Exhibition 9	Exhibition 9
10	Exhibition 10	Exhibition 10	Exhibition 10	Exhibition 10
11	Exhibition 11	Exhibition 11	Exhibition 11	Exhibition 11
12	Exhibition 12	Exhibition 12	Exhibition 12	Exhibition 12
13	Exhibition 13	Exhibition 13	Exhibition 13	Exhibition 13
14	Exhibition 14	Exhibition 14	Exhibition 14	Exhibition 14
15	Exhibition 15	Exhibition 15	Exhibition 15	Exhibition 15

Narration: To start, go back to the Editor. Select the Exhibitions collection from the DB Structure Section HERE

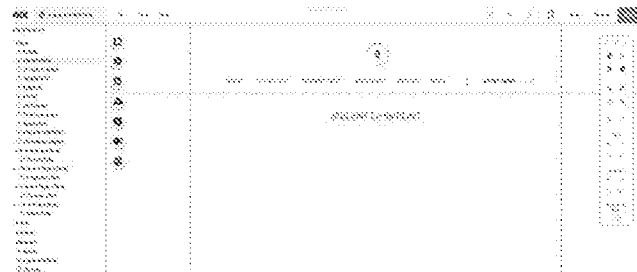
Narration: Now that we have all our student submissions, we'll change the permissions setting of this collection so that anyone can view the content. Click Permissions, select User-Generated Content and Save.



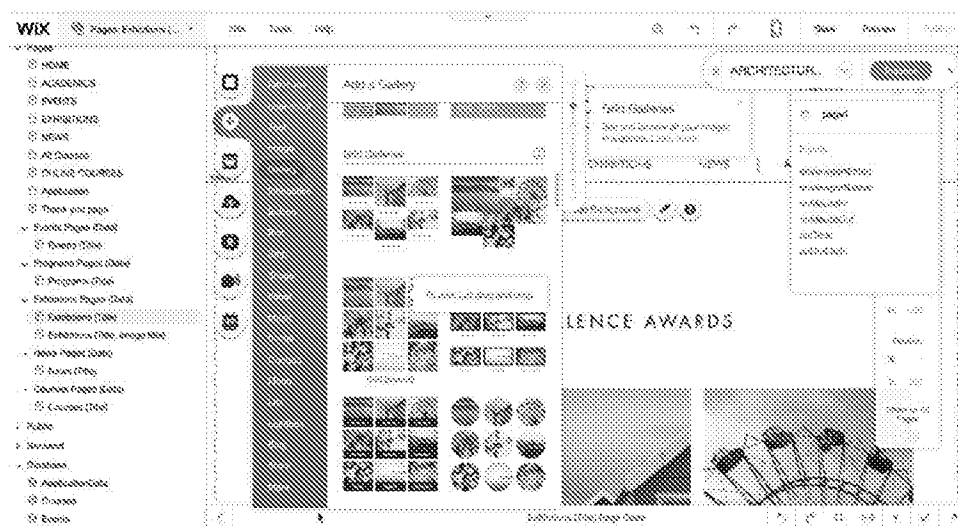
Narration: Set up a new page to showcase student work. In the Editor, in the Pages menu HERE, click **Add Page**. Select **Page** and give it a title, like Exhibitions.



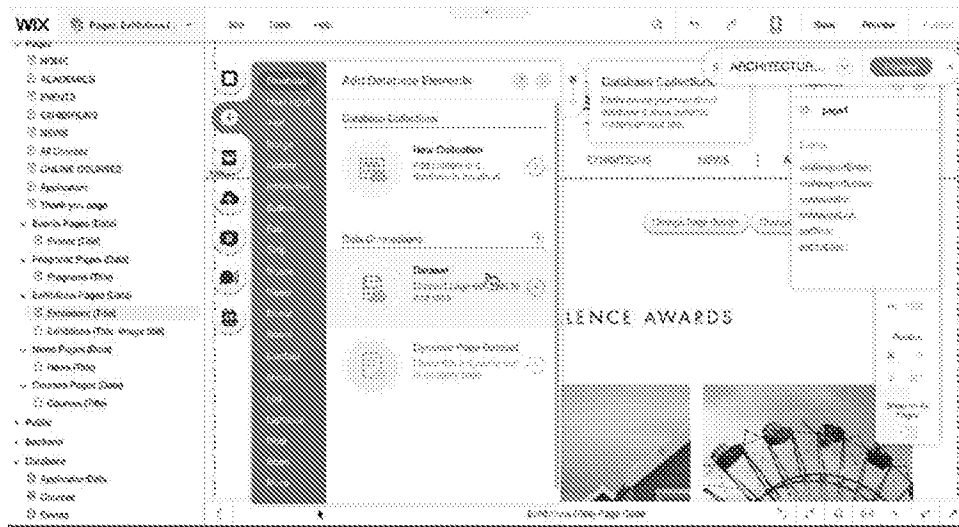
Narration: Now, we can start designing our page. Click **Add Text** and drag a textbox onto the page. Give the page a title so visitors know what this page is about.



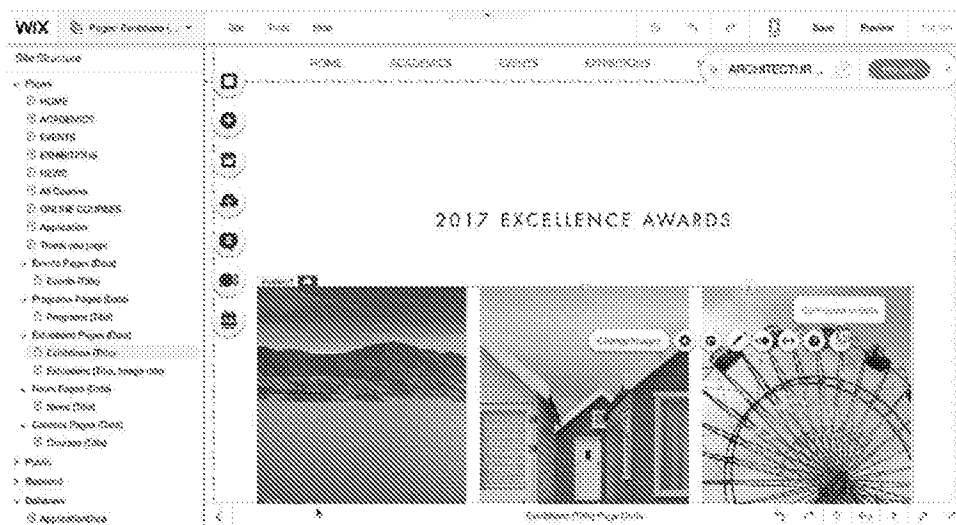
Narration: Then, drag and drop a Grid Gallery onto the page to showcase student work.



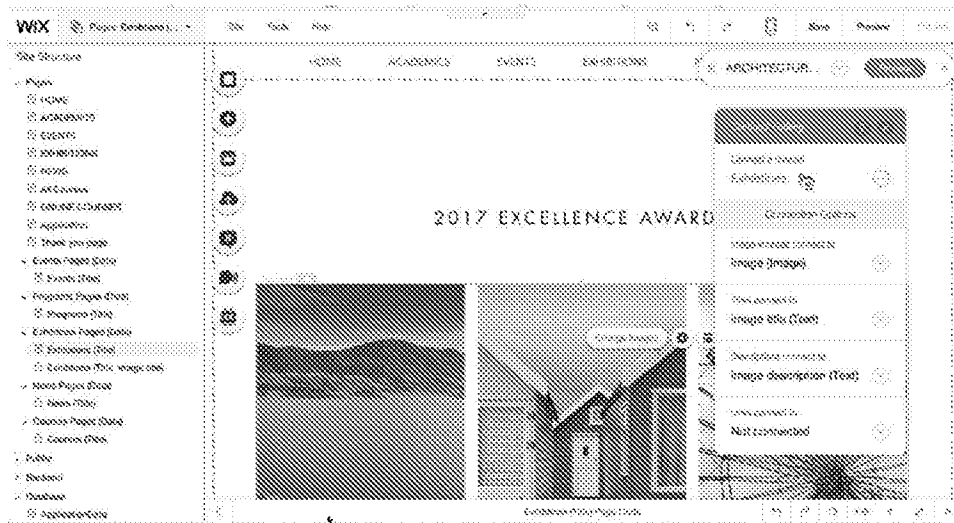
Narration: Add a dataset and connect it to the Exhibitions collection. Then, connect the gallery to the dataset.



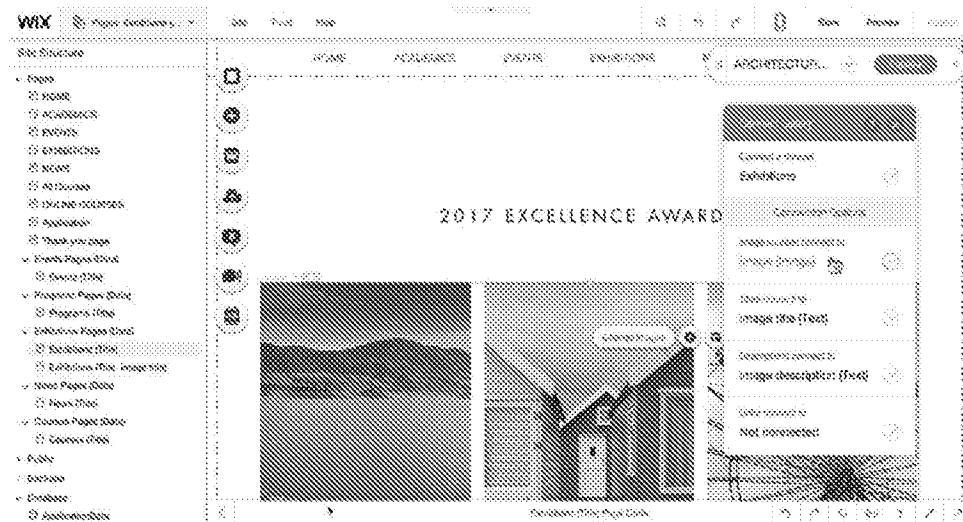
Narration: Click on the gallery and select the **Connect to Data** icon.



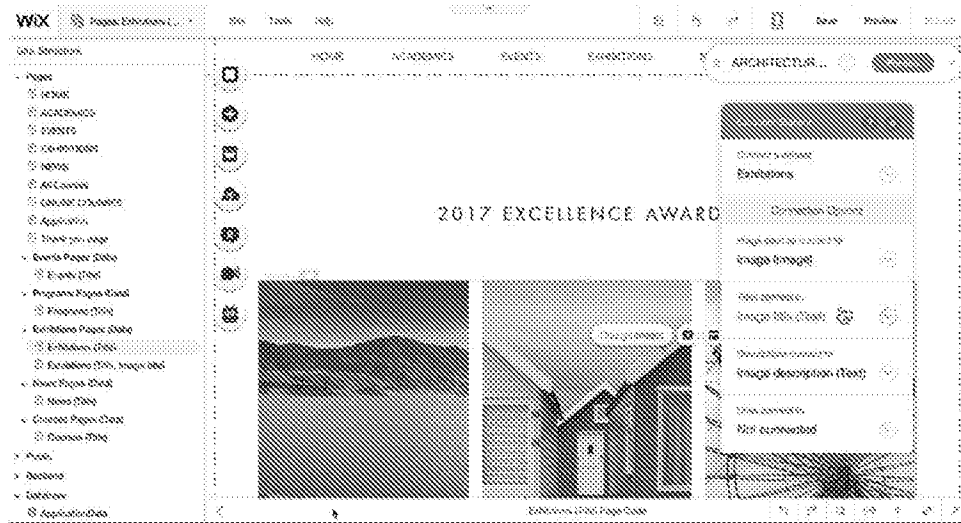
Narration: Under **Connect a dataset**, the Exhibitions dataset will be automatically selected.



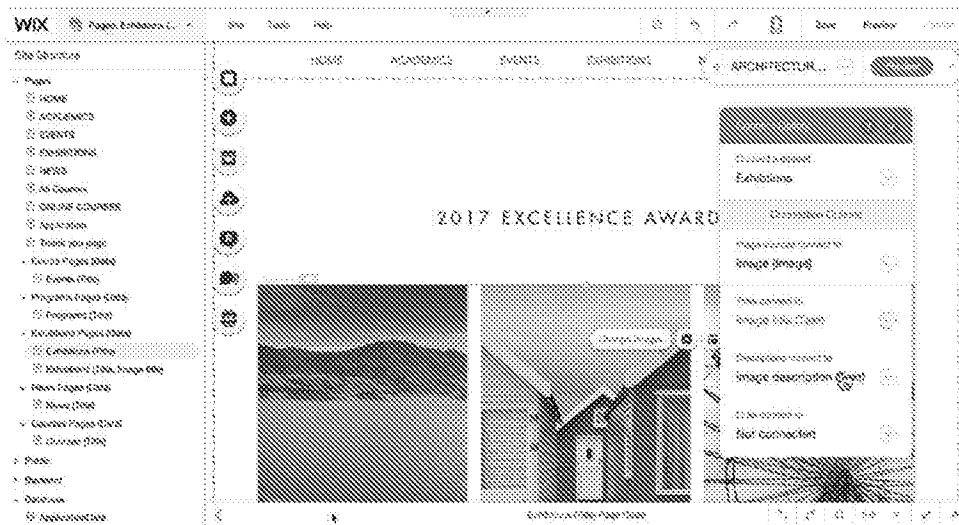
Narration: Then, click **Image sources connect to** and select **Artwork (Image)**.



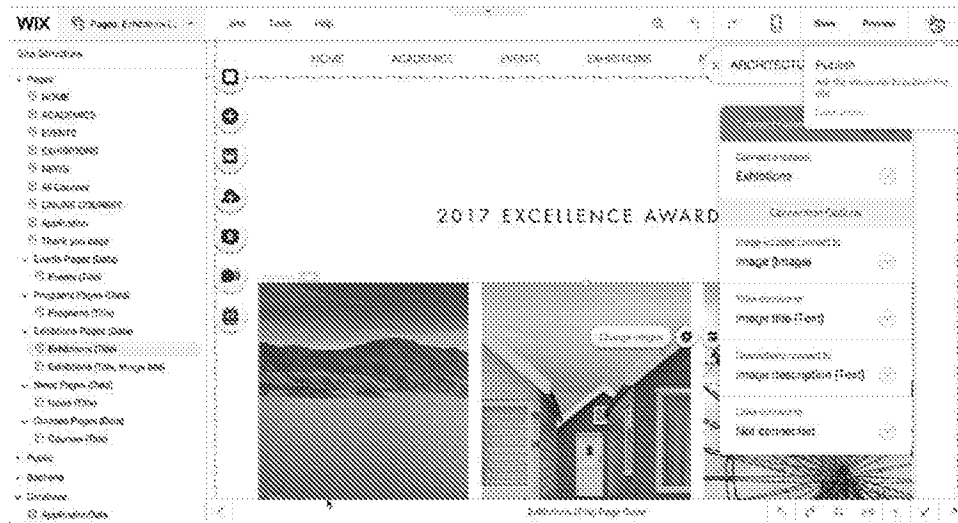
Narration: Under **Titles** connect to, select **Artwork Title**.



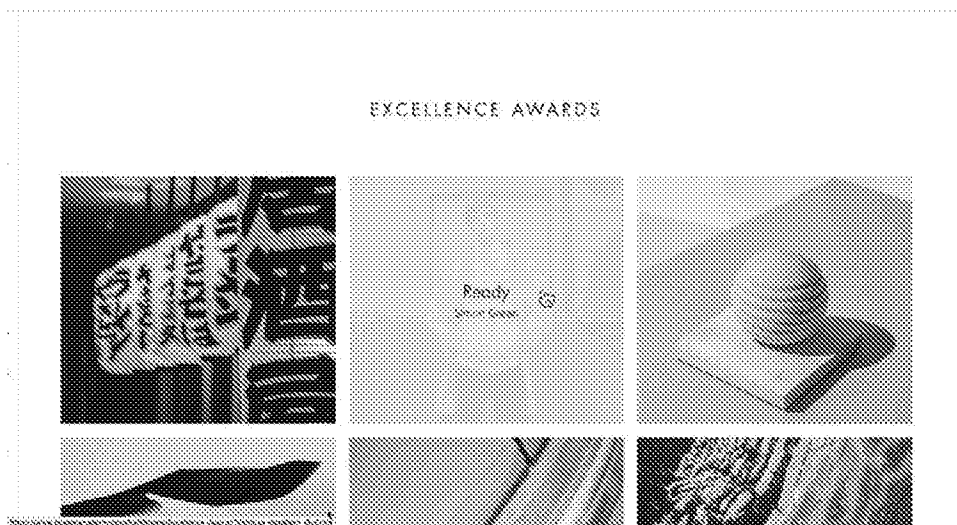
Narration: Finally, update the **Descriptions connect to** field to **Student Name**.



Narration: Click **Publish** and **View Site** to see the updated gallery with all the student images.



Narration: The exhibition page is ready. When a visitor hovers over any of these images, they'll see the image, artwork title and student's name.



Narration: Now you're ready. This video is always here, so come back and watch again for more help.
You can also visit our [Resources page](#) for tutorials, articles, example code and more.

Custom Interactions Video

Storyboard | Temporary template & content

Video Brief

Properties Panel:

- Click on any element in the editor
- Give it a name
- Hide/Collapse on load (will be important later)
- Choose an "event" - something that's being done to the element
 - Mouse In/Out
 - Click/Double Click

The code panel:

- Every event chosen will add code to the console for you to customize
- Start writing your code with \$w
- Click on ctrl+space for a list of available JS functions for your element and event

onClick - show hidden element:

- Handle onClick event on a button
- show/hide functions
- Choose animation type

expand()

- Make a section collapsed on view
- Expand a section on click
- Adding "if collapsed()" condition so that the button does both action

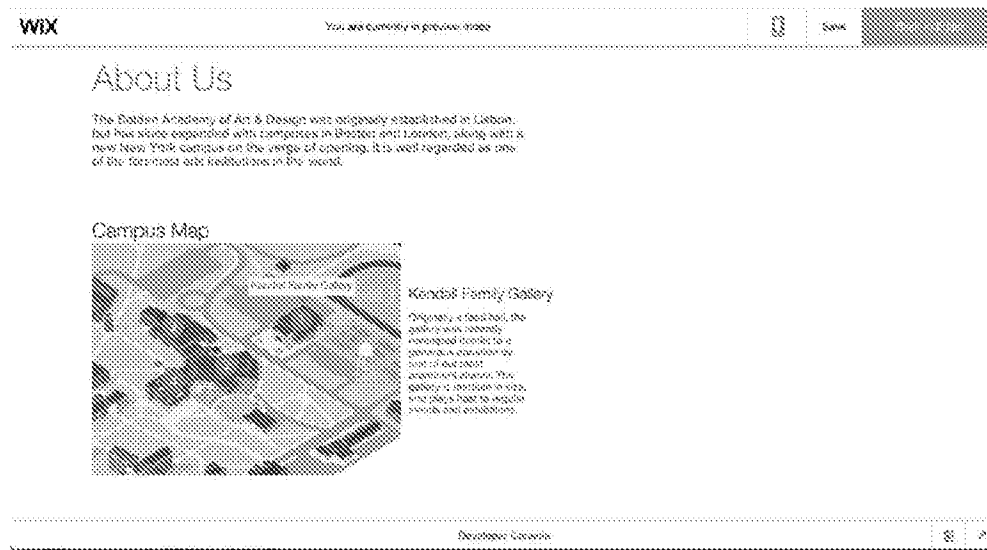
onMouseIn/Out - tooltip

- Adding a text box with the tooltip
- Show on mouse in, hide on mouse out (with animation)

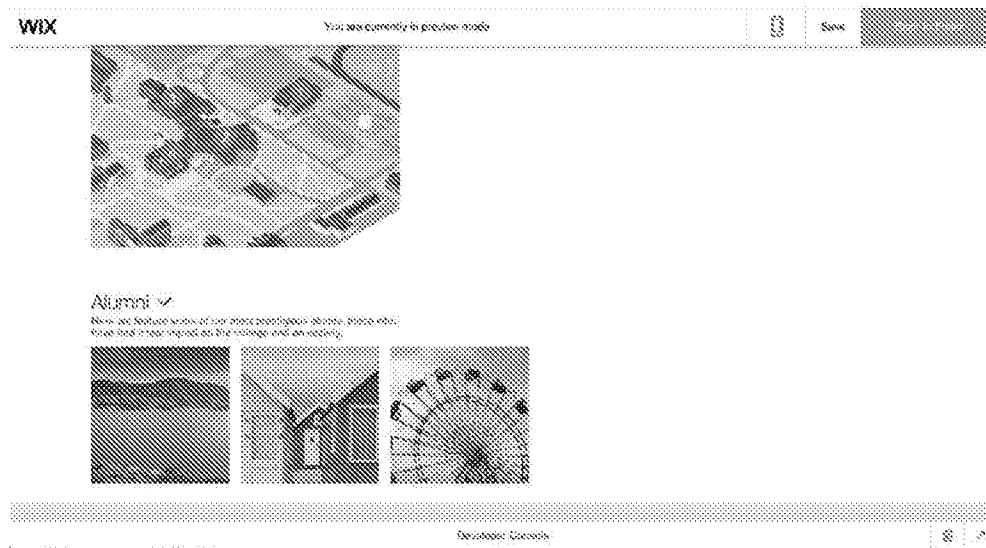
Narration: In this video, we'll show you how to create custom interactions on your site with Wix Code, using simple JavaScript.

Custom Interactions with JS

Narration: With custom interactions, you can control how elements on your site, like buttons, images, and shapes, respond to visitor actions, like clicking and hovering, by adding a few simple lines of JavaScript



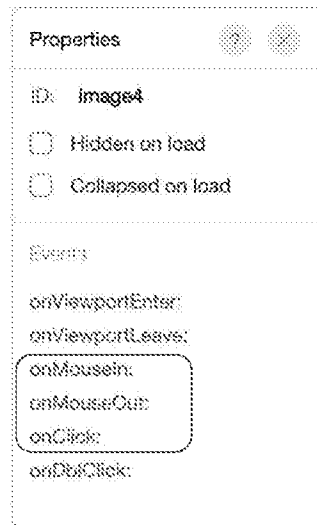
Narration: In this video we'll demonstrate how to create custom interactions such as making a tooltip and text box appear on hover and having a gallery expand and collapse on click.



Narration: We will start by going into the editor and enabling developer tools - click on tools > developer tools. Notice the properties panel **here**- it presents different options and events you can set for each element selected."



Narration: To create the custom interactions shown in this video, we will use the following events from the properties panel: `onMouseIn` and `onMouseOut` to define what happens when an element is hovered over; AND `onClick`, to define what happens when clicking on an element;



Narration: The code panel is the place where we will write, edit and define the code we need.

```
export function ExpandShape_onClick(event) {
    $w("#AlumniGallery").expand();
    $w("#ExpandShape").hide();
    $w("#CollapseShape").show();
}

export function CollapseShape_onClick(event) {
    $w("#AlumniGallery").collapse();
    $w("#CollapseShape").hide();
    $w("#ExpandShape").show();
}
```

Narration: We will use the following functions: show/hide to make elements come in and out of view; and expand/collapse, to make entire sections of the page fold up and down. Let's get started!

- show("animation")
- hide("animation")
- expand()
- collapse()

```
export function ExpandShape_onClick(event) {  
    $w("#AlumniGallery").expand();  
    $w("#ExpandShape").hide();  
    $w("#CollapseShape").show();  
}  
  
export function CollapseShape_onClick(event) {  
    $w("#AlumniGallery").collapse();  
    $w("#CollapseShape").hide();  
    $w("#ExpandShape").show();  
}
```

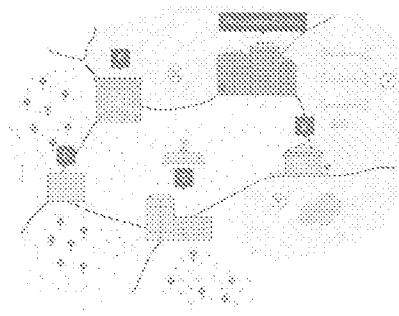
Narration:

Creating unique hover effects

Narration: Hover effects are great for when we want something like a tooltip or textbox to appear when a visitor hovers over an element.

----- Campus Map

When hovering over the buildings on this map to view their names,
or click on the icons to view events for the various dormitories.



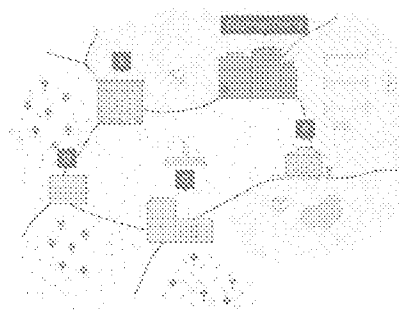
----- Freshman Dorms

One of the largest housing centers on campus,
the dorm contains one, two and four bed room
apartments that pay rent to the housing
authority to secure the property.

Narration: We do that by handling two events which control what happens when an element is hovered on - Onmouseover and Onmouseout as seen here in the properties panel. Then in the code panel we can assign a set of actions that will take place when these events happen.

----- Campus Map

When hovering over the buildings on this map to view their names,
or click on the icons to view events for the various dormitories.



----- Freshman Dorms

One of the largest housing centers on
the dorm contains one, two and four
apartments that pay rent to the housing
authority to secure the property.

Properties

ID: **image4**

☐ Hidden on load

☐ Collapsed on load

Events

onViewportEnter:

onViewportLeave:

onMousein:

onMouseOut:

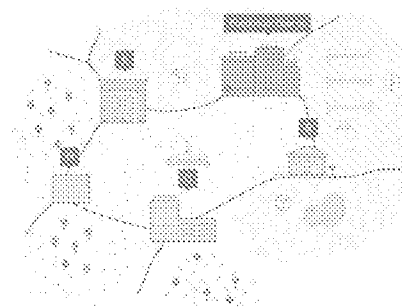
onClick:

onDoubleClick:

Narration: In this example, when visitors hover on the building shapes in the campus map we want a tooltip with the building name and short description to appear.

----- Campus Map

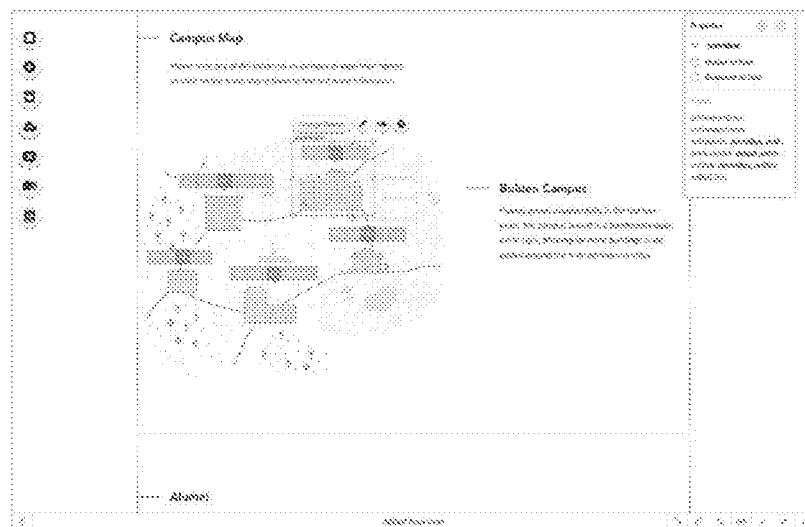
Hover over any of the buildings on campus to view their names, or click on the icons above them to find out more information.



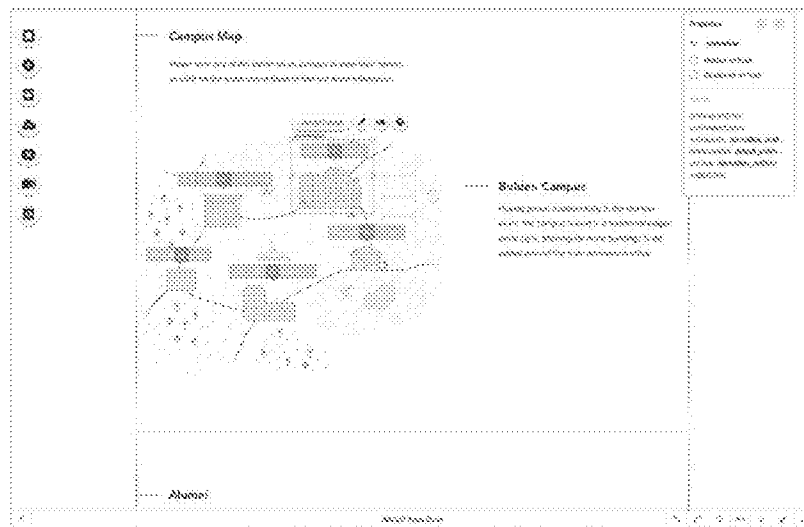
----- Freshman Dorms

One of the largest housing areas on campus, the dormitories are the first buildings that students ever get to see at graduation, so they study hard around the country.

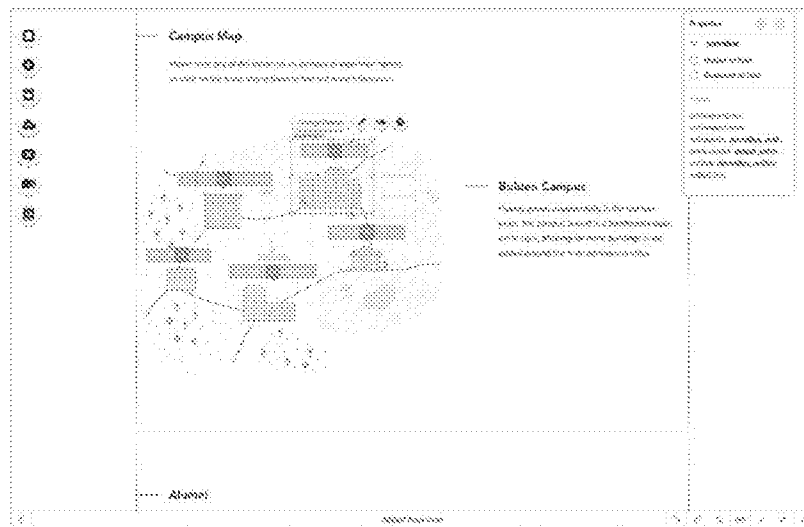
Narration: Here's how we do it. In the Editor, we've created this page that has various elements which make up the map - building, tooltips and textbox



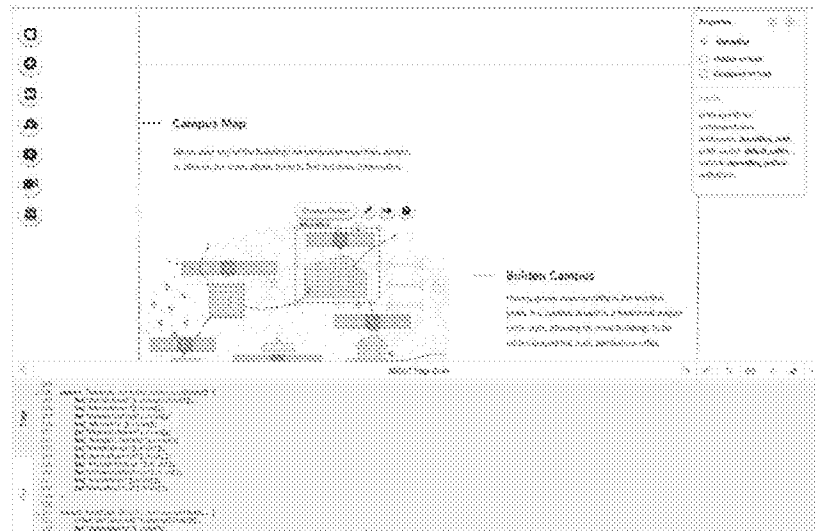
Narration: We will also place a transparent box on top of the elements to act as our “hover zone”, let's call it “dormsBox”.



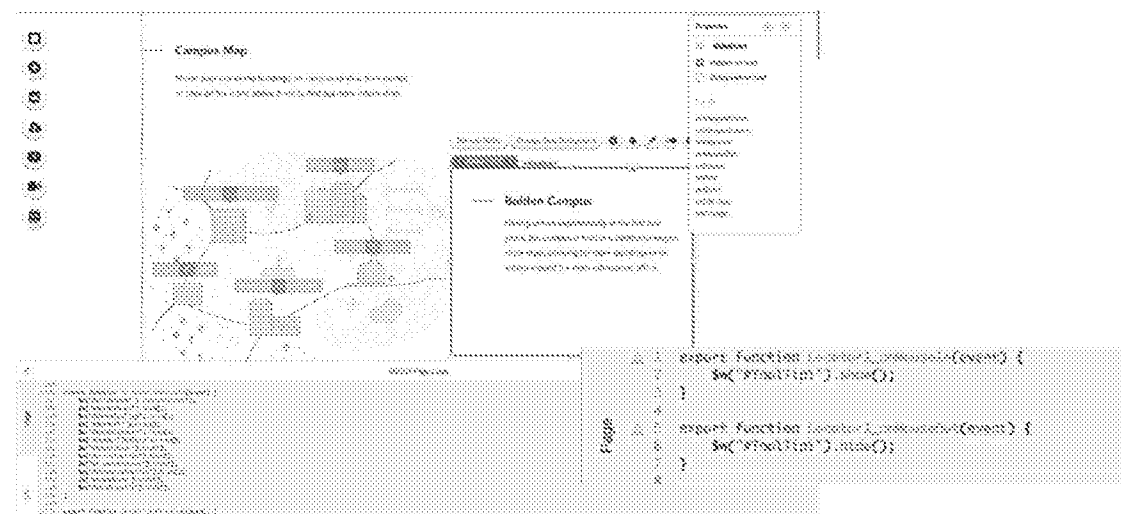
Narration: Under the properties panel here, we've given the tooltip and text box meaningful names which will help us later when we use them in the code. We will also check this box so that they are hidden on load.



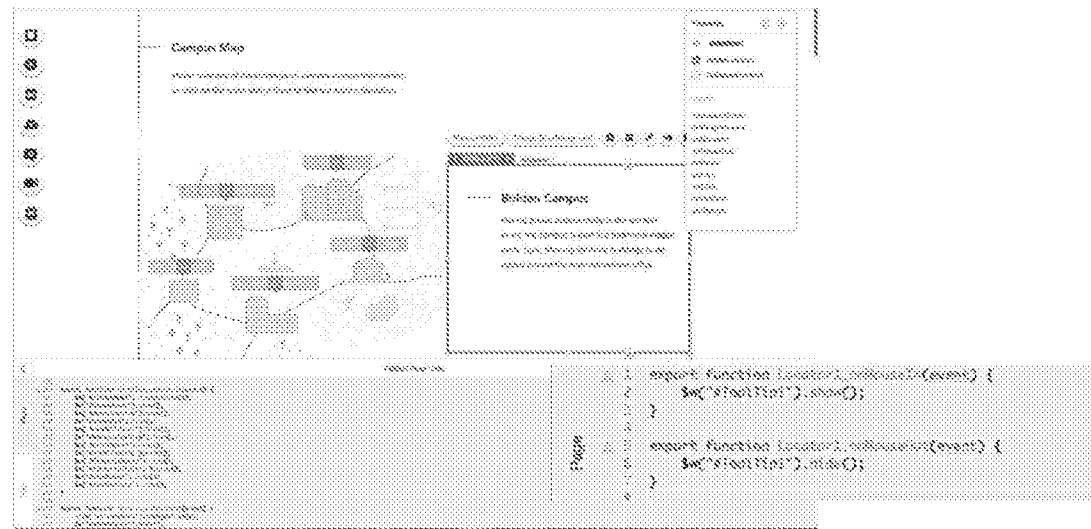
Narration: Now let's add the events onMouseIn and onMouseOut for our "hover zone" - which is the transparent box we added earlier. This will generate two separate functions for each event in the code panel like you see here.



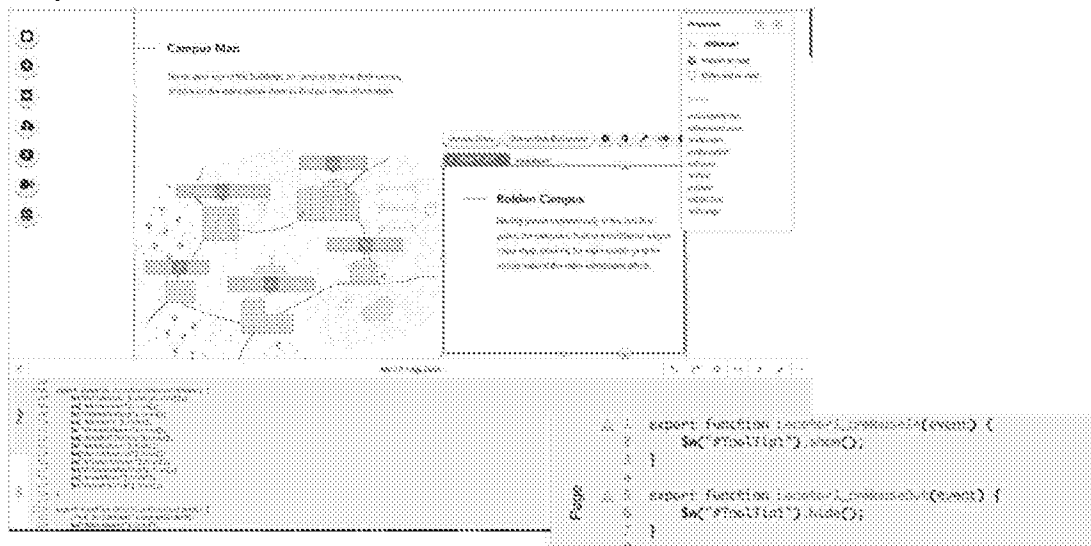
Narration: Next we need to connect the tooltip behavior to the events in the code panel. Let's start with onMouseEvent. Type \$w and enter Ctrl+space from the keyboard. This will open the code completion panel, with a list of all the elements on the page. This where giving elements a meaningful name comes in handy. From this list, we'll choose dormsTooltip.



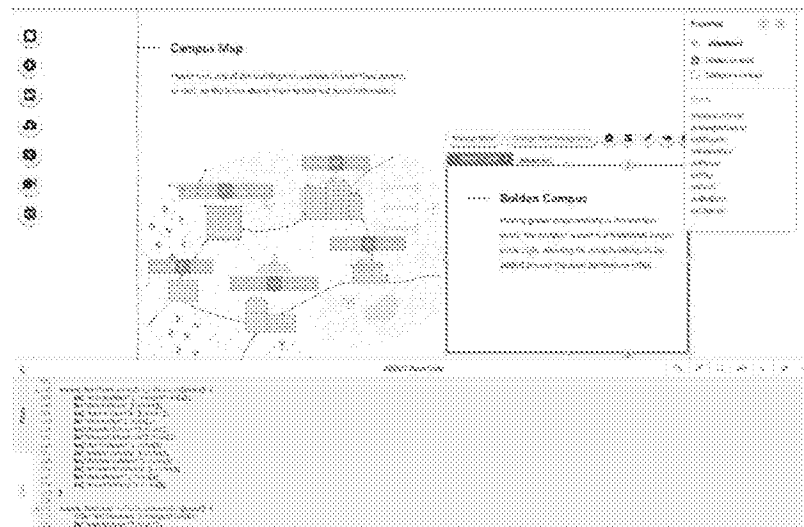
Narration: Then we enter "." to receive a list of available functions. Scroll to find the function needed. In this example it is "show". Notice on the right a description appears with more details about each function.



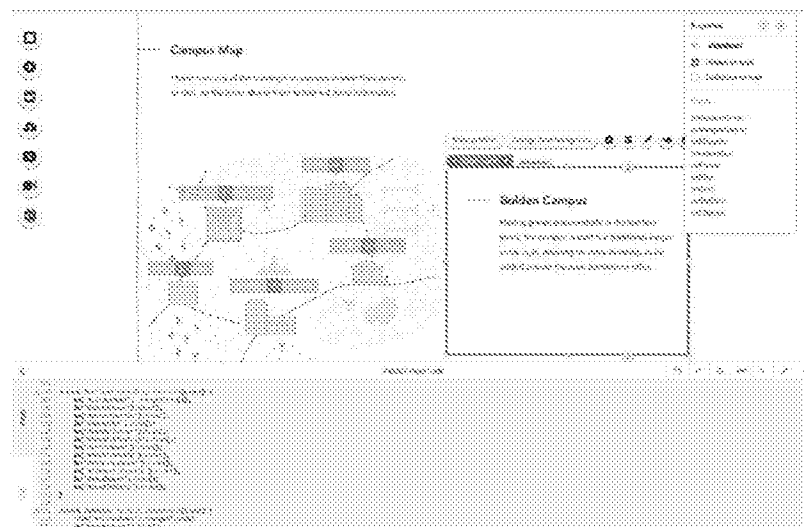
Narration: Now let's connect onMouseOut. Type \$w and enter Ctrl+space from the keyboard, choose dormsTooltip. Enter ".", choose the function "hide" to make the tooltip disappear when the mouse moves away.



Narration: Now let's add code that will make the textbox also show up when we're hovering over the building. We'll click on the text and in the properties panel here, we'll check the box **"Hidden on load"**



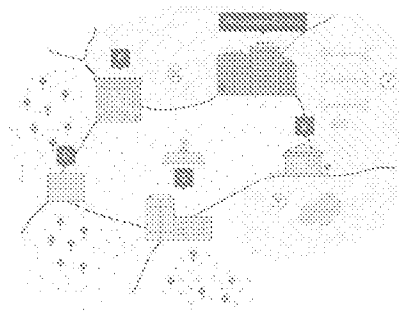
Narration: In the code panel, under the existing onMouseIn and onMouseOut events, we'll add the code to show and hide the text on hover, like we did with the tooltip.



Narration: Let's preview to see how it works. Now, whenever a visitor mouses over the building, the tooltip and text box will appear.

..... Campus Map

When hovering at the buildings on the map to view their names, or click on the icons to view their details.



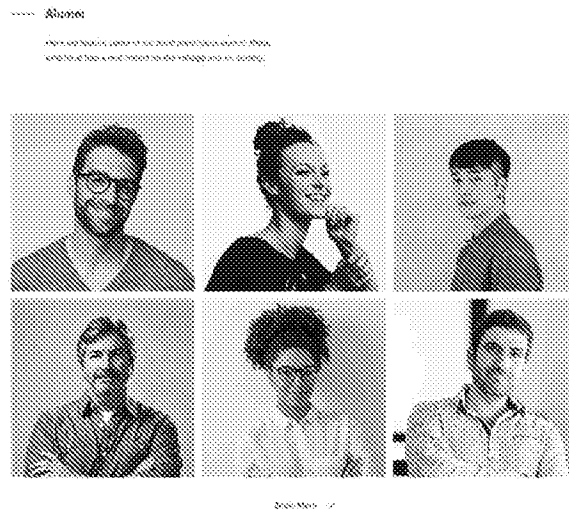
—— Freshman Dorms

One of the largest housing centers on campus, the dorms provide one, two and four bedroom apartments that play host to freshmen seeking to begin their college journey.

Narration:

Expanding & Collapsing Sections

Narration: Expanding and collapsing sections on your site are useful when you want to keep things neat, organized and some of the content “folded” until a visitor asks to view it by clicking on a button.

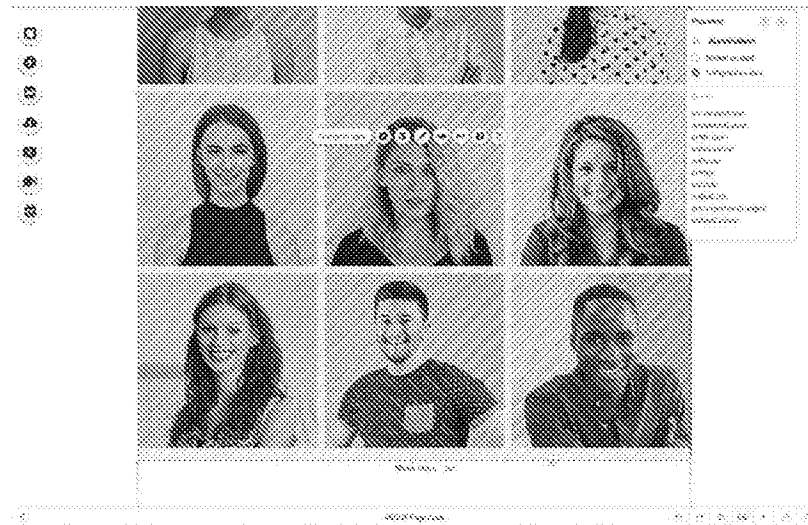


Narration: In this example, we're using 2 grid galleries, 2 arrow shapes one up and one down and title text that have already been added to our site in the Wix Editor.

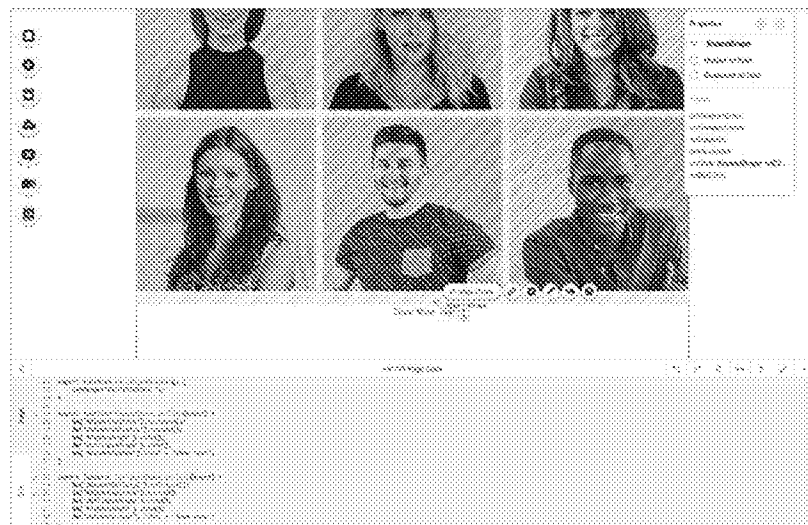
We want one gallery to be visible on load, and the other gallery collapsed that will only expand on click.



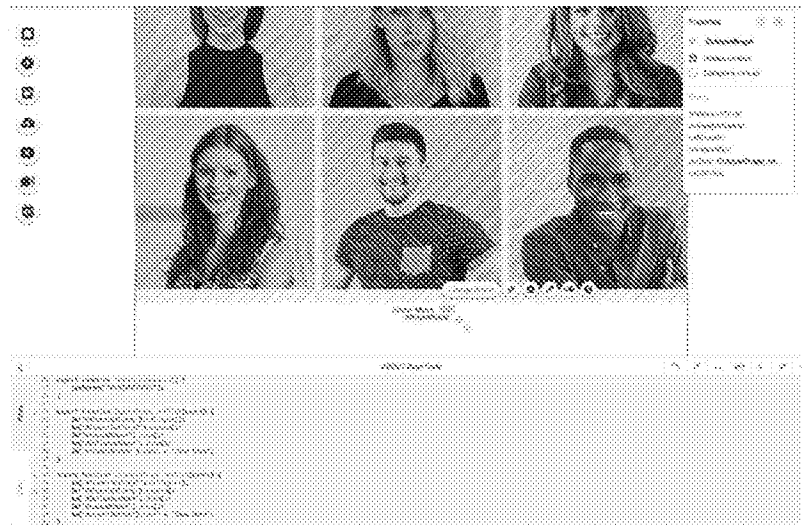
Narration: First, we'll select the gallery we want to have collapsed when visitors enter our website. And in the properties panel **here**, we'll give it a name "AlumniGallery2", and check "collapsed on load".



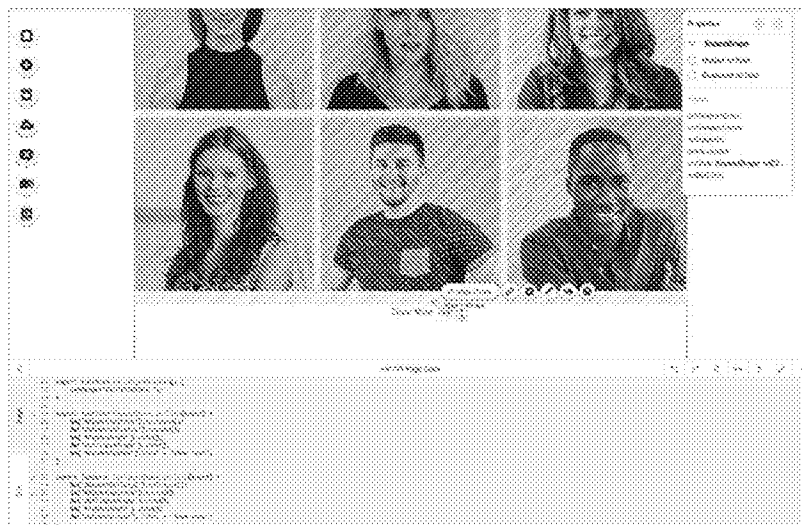
Narration: We'll select our arrow shape and in the properties panel here call it "ExpandShape". Click on the + sign next to onClick, and the beginning of the code will be automatically added to the panel.



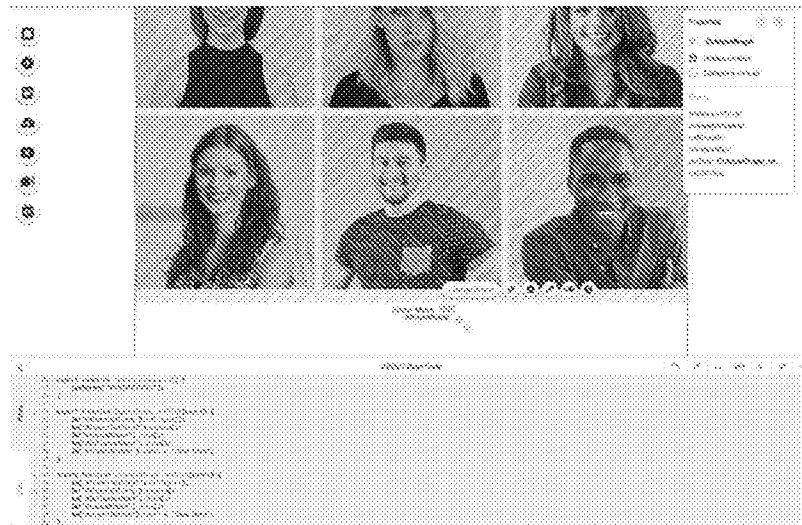
Narration: We want the arrows to have the following actions on click - Expand and Collapse gallery.



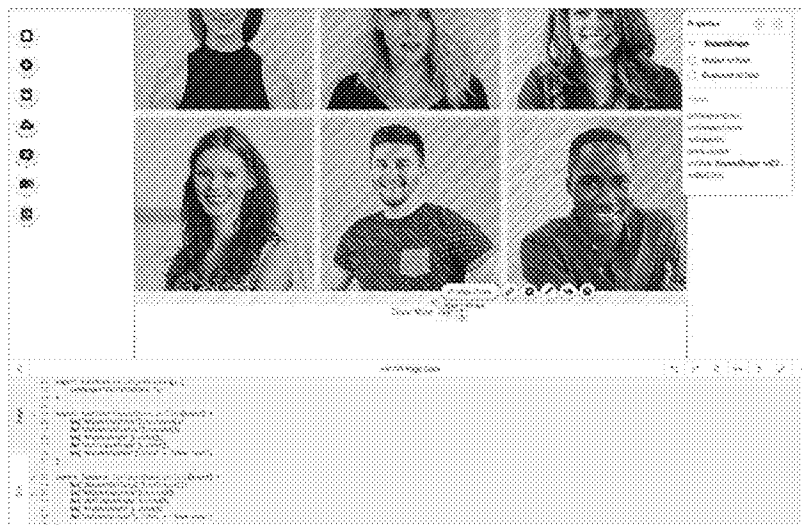
Narration: We will type \$w, ctrl + Space, select "AlumniGallery2", type "." and use the "expand()" function on the gallery to make it expand when clicking the downward arrow.



Narration: To collapse the gallery, we will repeat the process for the onClick event of the upward arrow, and use the opposite function - collapse()



Narration: We can also add code so that clicking on each arrow will replace it with the other, as well as displaying the appropriate text. You can view the code for these actions here.



Narration: We can also add code so that clicking on each arrow will replace it with the other, as well as displaying the appropriate text. You can view the code for these actions here.



Narration: Let's have one last preview to see it in action.

----- Advertis

Stop us to show some of our most popular ads. It's a
 way to help you understand the ads you are running.



Advertisement

Narration: This video is always here if you need it. For more videos about how to use Wix Code & Developer Tools, check out our ...

Wix Code Creation Without Limits

Imagine you could develop any web application in the world

Easily

Zero Setup

No Server

No Security Patches

Automatic Monitoring

Compatible for Any Browser

Mobile Optimized ()

Full Accessibility

Introducing Wix Code

Sophisticated technology. Advanced web applications.

Built-in Database

Item Name	Email	Is a member	Age	Gender	Is a student	Occupation
80. John Roberts	rand@integral.com	True	2	61	Yes	in the building and operating, during
81. Emma Rose	test@gmail.com	True	3	61	Yes	Bringing them down has been a
82. John S. Flores	joan@integral.com	True	4	61	Yes	the industry's newest dining
83. Bob Lu	Lyn@integral.com	True	5	14	Yes	but ever since the 1960s, every
84. Linda Miller	rand@integral.com	True	6	61	Yes	or, even after a few
85. Linda Miller	test@gmail.com	True	7	61	Yes	or type and assembly is an
86. Mary Thompson	joan@integral.com	True	8	61	Yes	a type screen book, it was
87. David H. Anderson	Lyn@integral.com	True	9	14	Yes	and has only been
88. Mike Harris	rand@integral.com	True	10	11	Yes	is the way the
89. Mary Rose	test@gmail.com	True	11	61	Yes	g. However, even
90. Scott Marsh	joan@integral.com	True	12	61	Yes	it. It was
91. Linda Miller	Lyn@integral.com	True	13	61	Yes	with the
92. Linda Miller	rand@integral.com	True	14	61	Yes	with the
93. John Roberts	test@gmail.com	True	15	11	Yes	a type screen book, it was

Manage and
Update Your
Data
<fill in the
fields>

ID	User Name	Email	Is a member	Level	Score for	Is a member	Description
49	John Malone	john@malone.com	True	5	81	Yes	in the parking area (2nd floor) during
51	David Gray	grayd@gray.com	True	5	81	Yes	massive car accident has been reported
52	John B. Pines	pinesj@pines.com	True	5	80	Yes	the vehicle is standard during
53	John Lee	leej@lee.com	True	5	79	Yes	left over when the 10000 running for
54	John Meyer	meyerj@meyer.com	True	5	81	Yes	the vehicle is standard during
55	John Smith	smithj@smith.com	True	7	81	Yes	in the parking area (2nd floor) during
56	Kerry Johnson	johnsonk@johnson.com	True	5	81	Yes	the vehicle is standard during
57	David B. Johnson	johnsondb@johnson.com	True	5	81	Yes	the vehicle is standard during
58	John Smith	smithj@smith.com	True	10	71	Yes	the vehicle is standard during
59	John Gray	grayj@gray.com	True	11	60	Yes	the vehicle is standard during
60	John Smith	smithj@smith.com	True	12	49	Yes	the vehicle is standard during
61	John Smith	smithj@smith.com	True	13	39	Yes	the vehicle is standard during
62	John Smith	smithj@smith.com	True	14	29	Yes	the vehicle is standard during
63	John Smith	smithj@smith.com	True	15	19	Yes	the vehicle is standard during

Store User Generated Content

Rate the Trip

Enter

Add Your Trip

Name: _____

Title: _____

Level: 00000

Destination: _____

Subtitle: _____

Description

Time of Year: 00/00/00

Category:

☐ Trip ☐ Hike

☐ Trek ☐ Lake Trail

+Upload photos

Submit

Send your feedback.

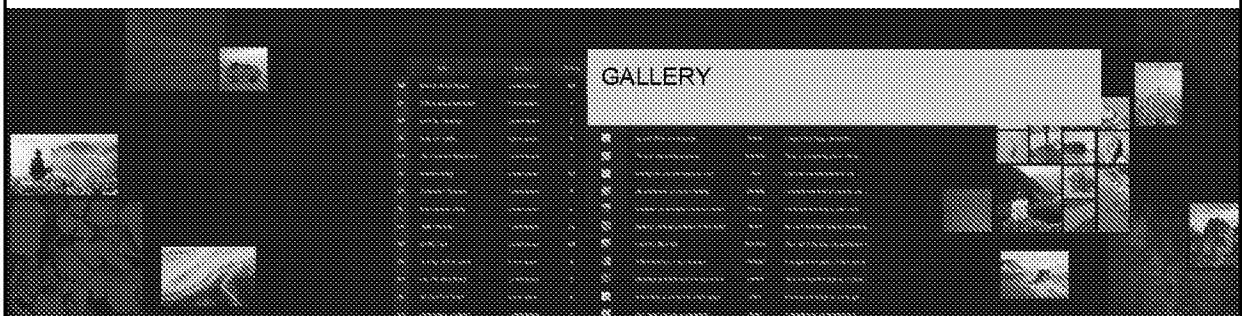
What do you think about this trip?

Enter >

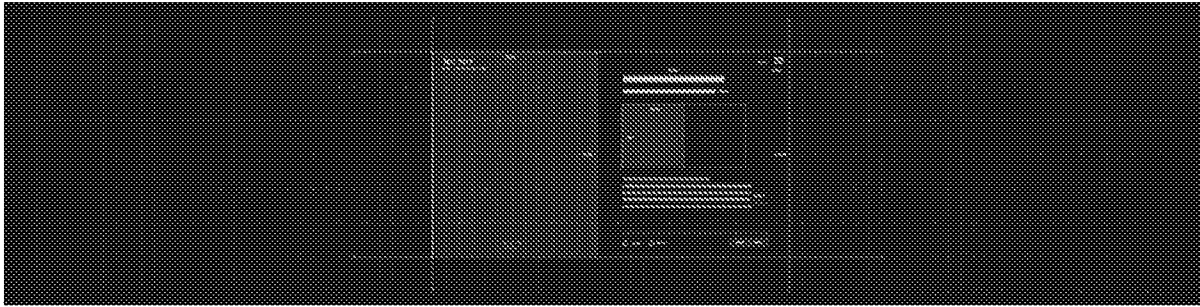
Data Bound UI Components

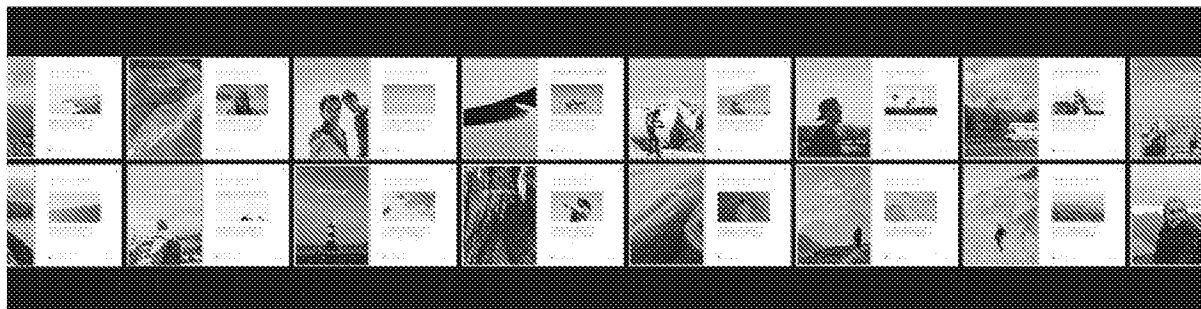


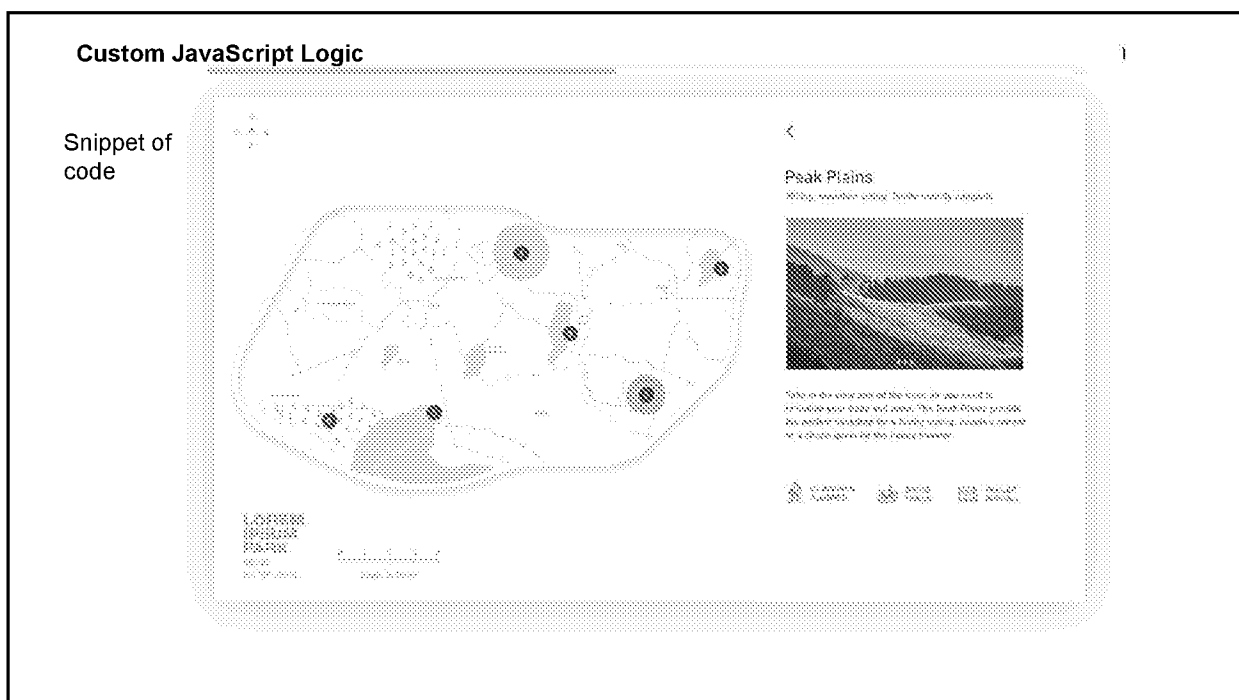
Stunning Wix Components



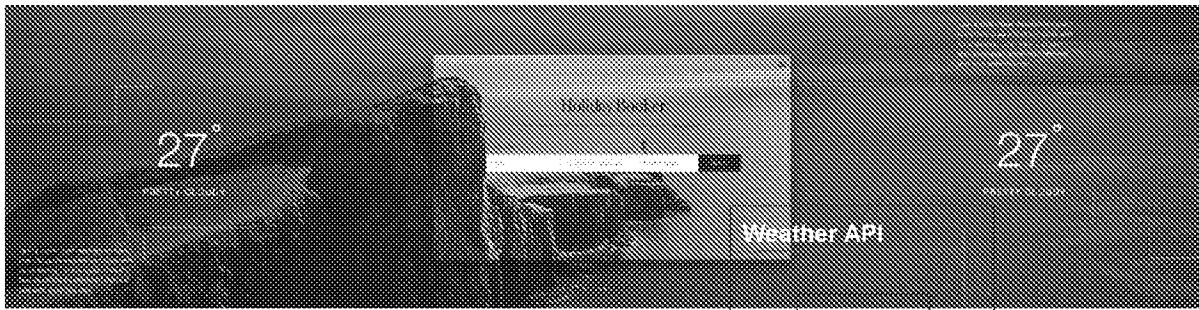
Design a Beautiful Page





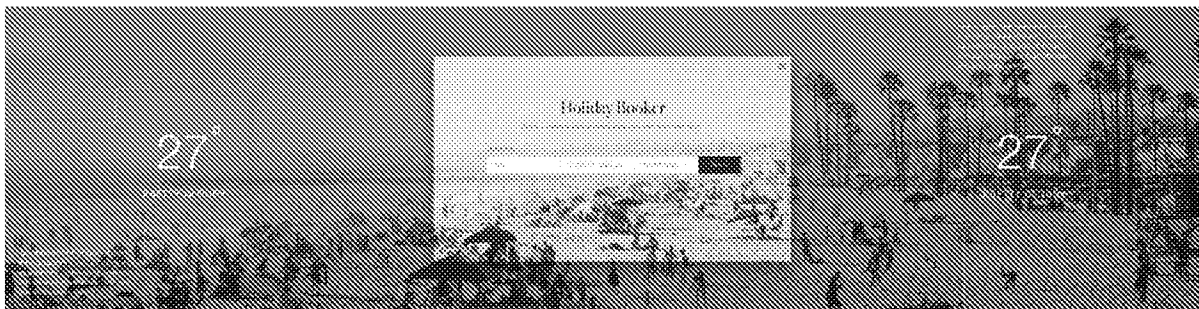


3rd Party API Integration

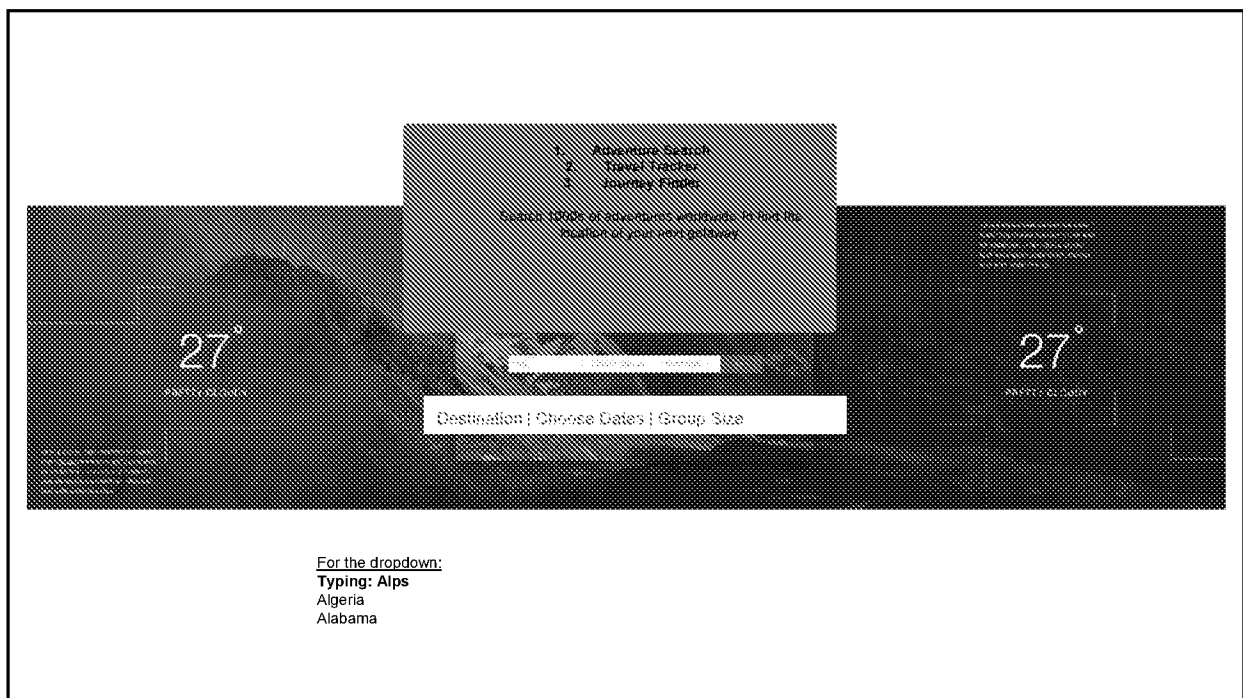
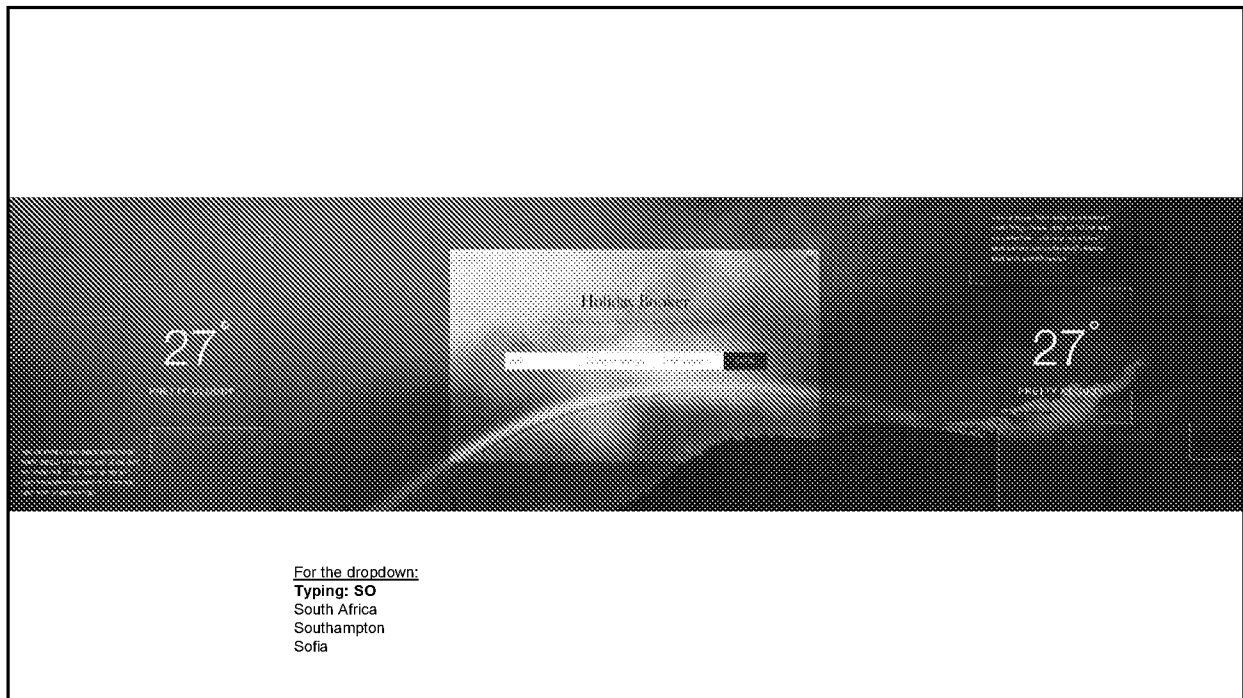


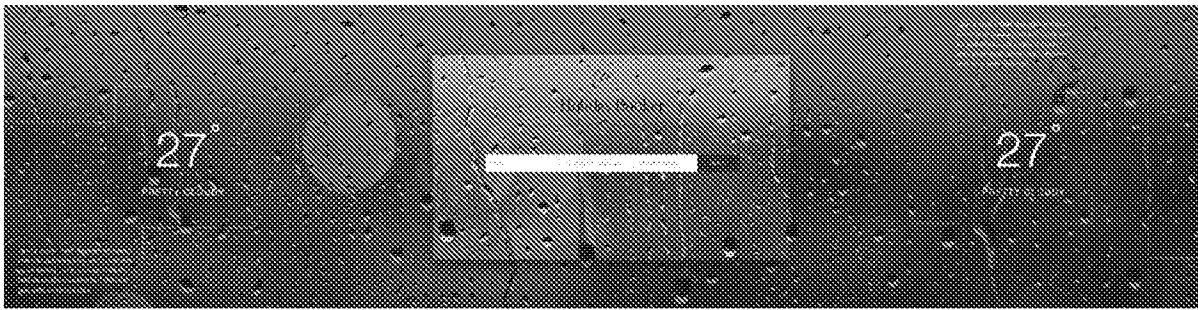
Code

For the dropdown:
Typing: NO
 Norway
 Norfolk Island
 Nottingham

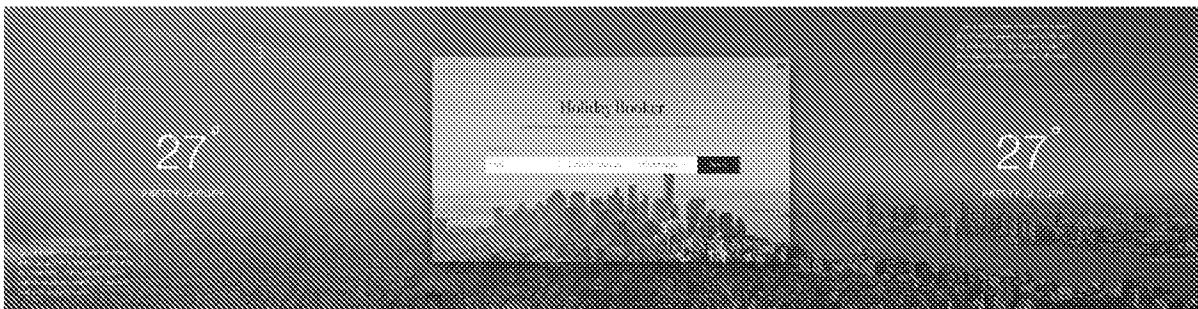


For the dropdown:
Typing: MA
 Malibu
 Madagascar
 Mauritius





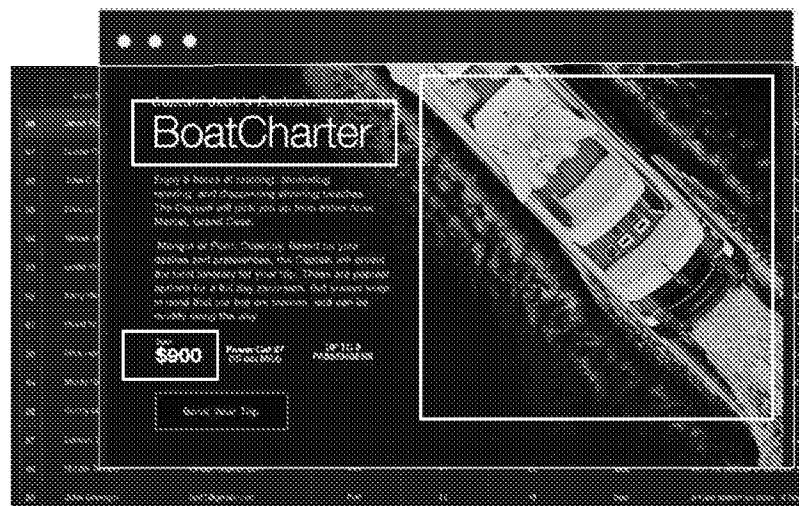
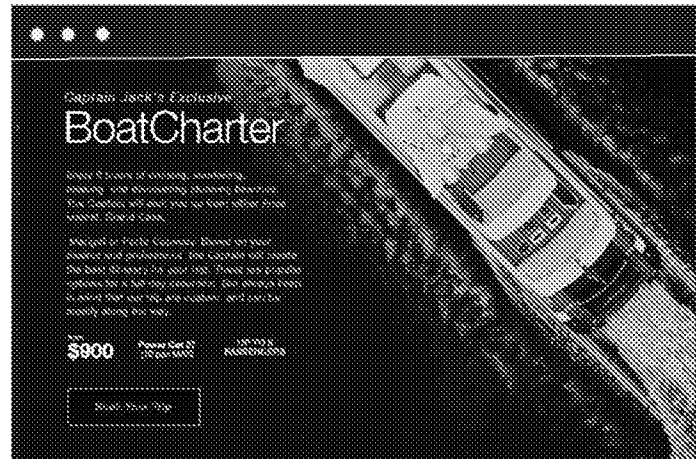
For the dropdown:
Typing: PA
Patagonia
Paris
Panama

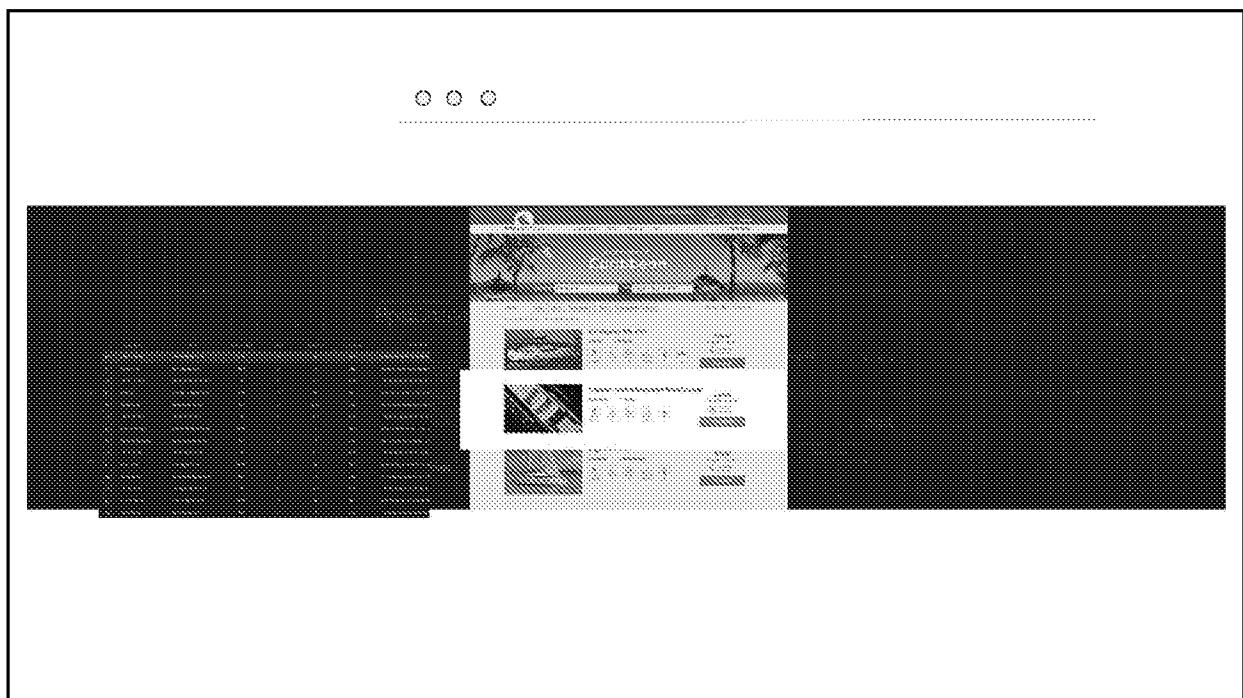
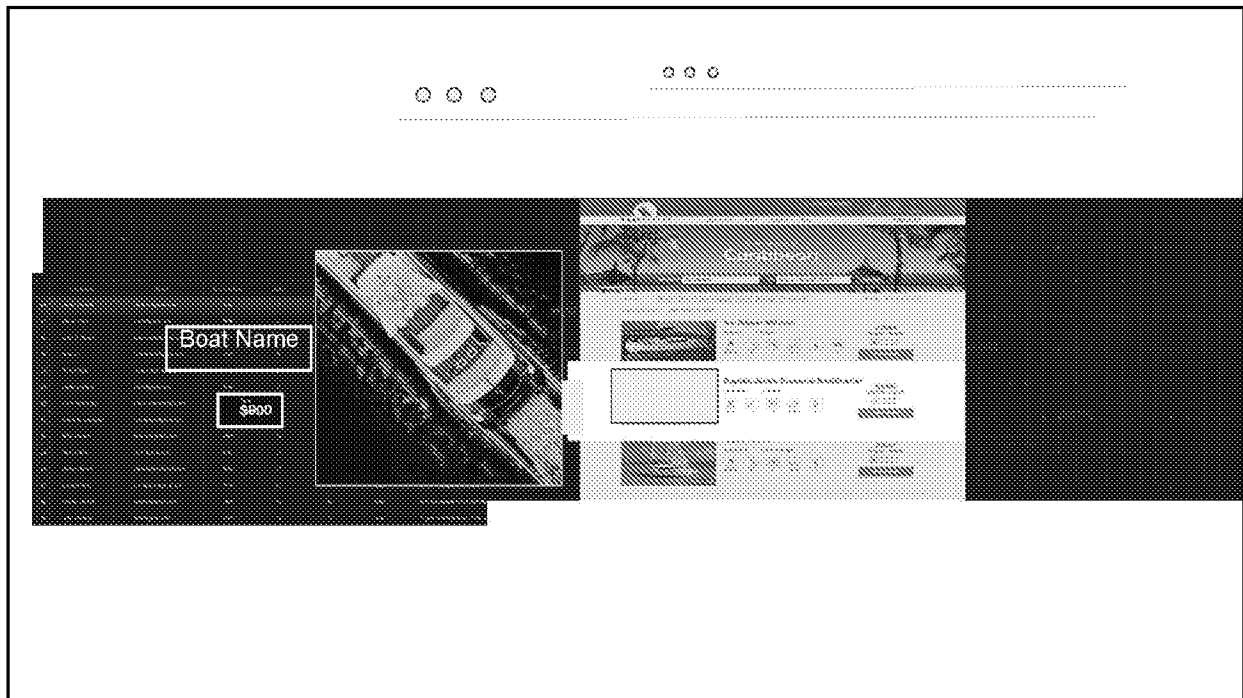


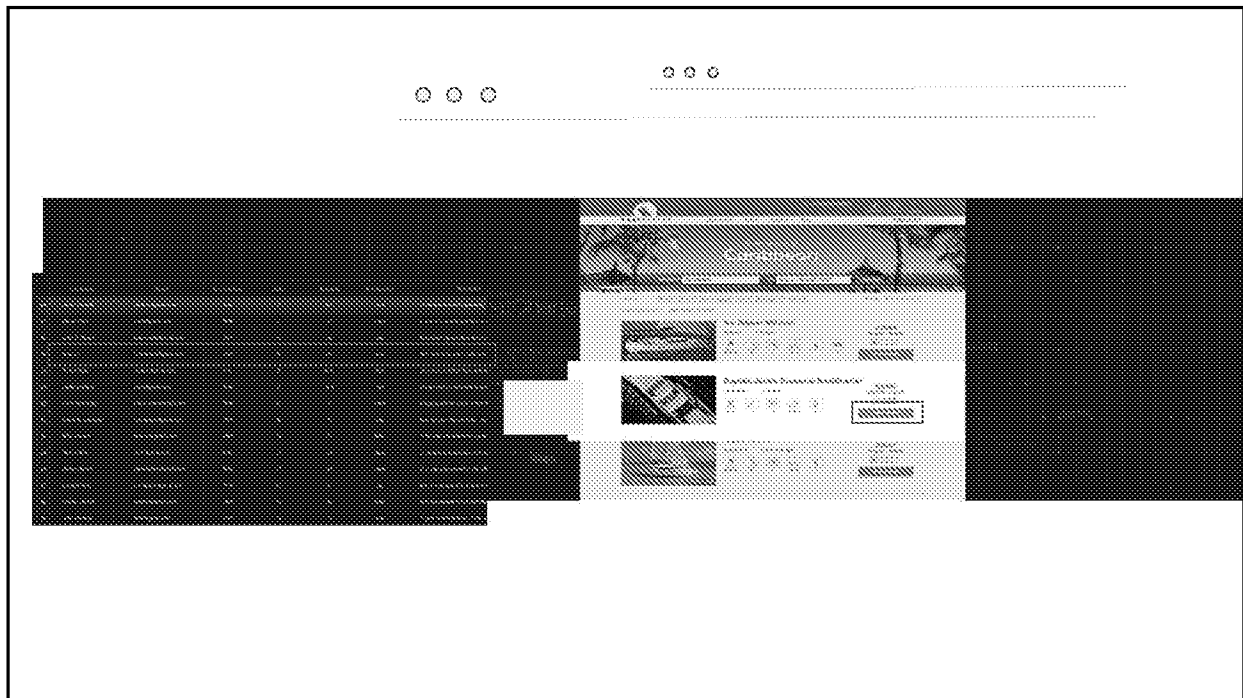
For the dropdown:
Typing: NE
New York
Netherlands
New Hampshire

Serverless API Provider

Serverless server code?





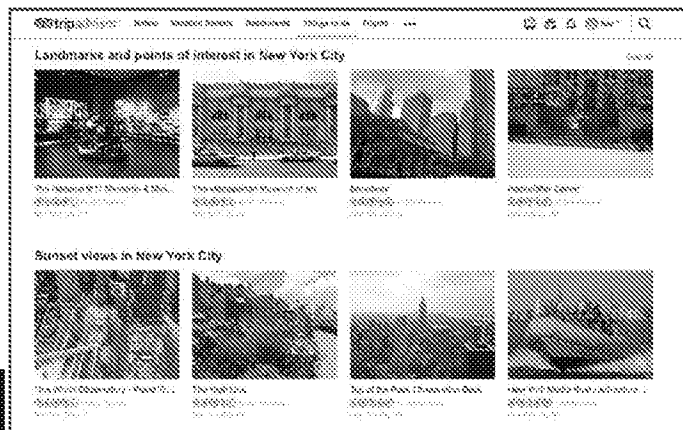
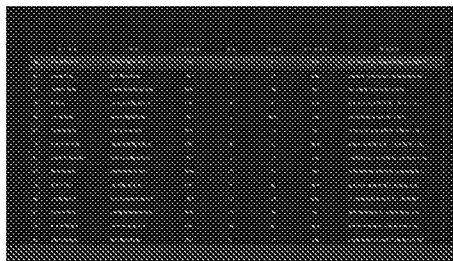


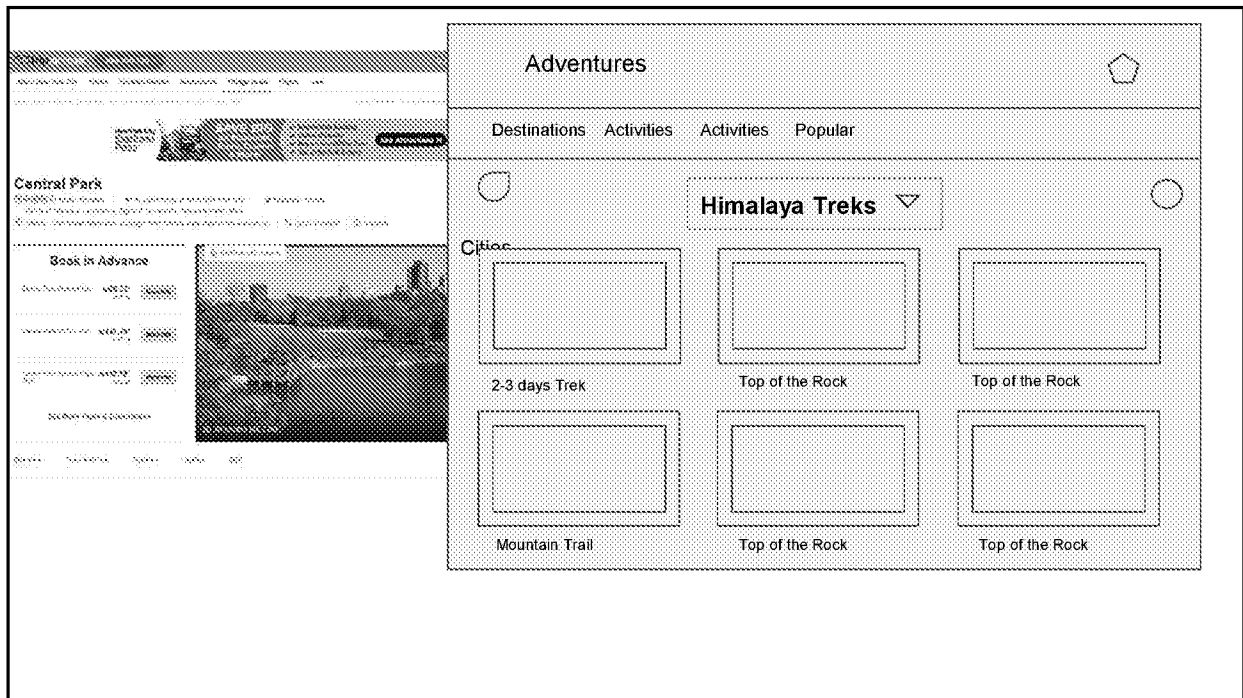
Serverless API Provider

Serverless server code?

- 1- Serverless Web function
- 2- Function as a service
- 3- API Provider

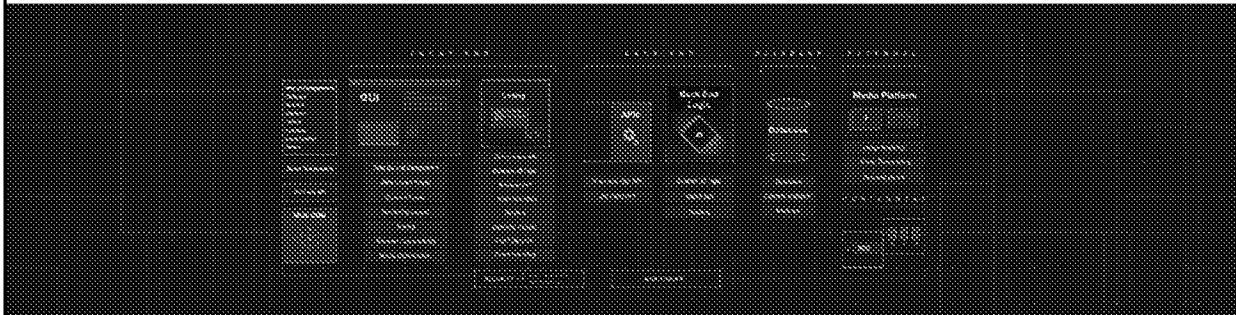
WIREFRAME



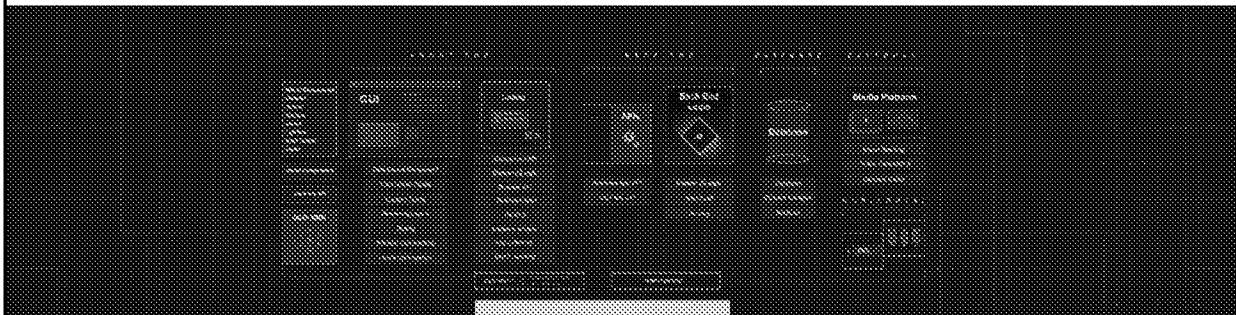


Everything You Need

Everything You Need



To Focus Only on Your Code



//Few lines of code

A few lines of code:

```
function myCustomBusinessLogic(event) {
  //TODO: write your few line of custom code here...
}
```

```
//Code Page 1000
//Copyright 2017 Microsoft Corporation
//All rights reserved.
//This code is licensed under the MIT license.
//For more information, see http://go.microsoft.com/fwlink/?linkid=526756
```

Wix Code
Creation Without Limits

APIs



Top left:

Norway

Northern mountains

Main screen:

Travel Tracker

Search 1000s of adventures worldwide to find the location of your next getaway.

Book your adventure:

Destination | Choose Dates | Group Size

Weather

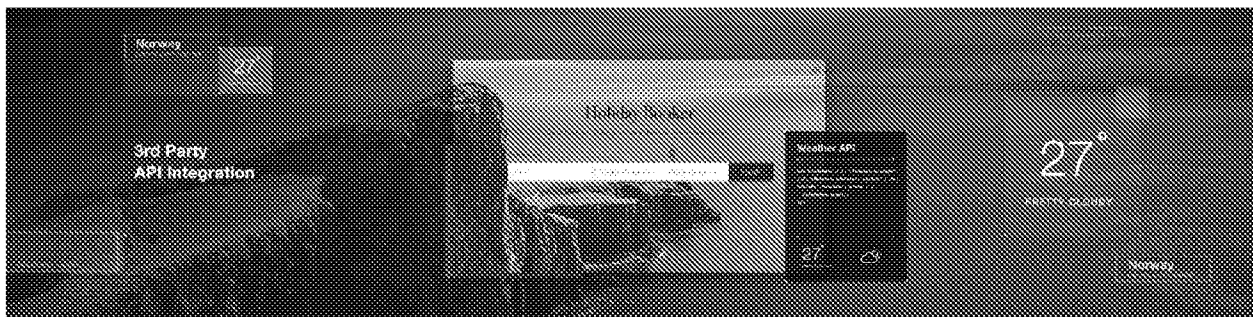
6°

VERY COLD

Far right

Norway

Northern mountains



Top left:

Scotland

Lighthouse Point

Weather

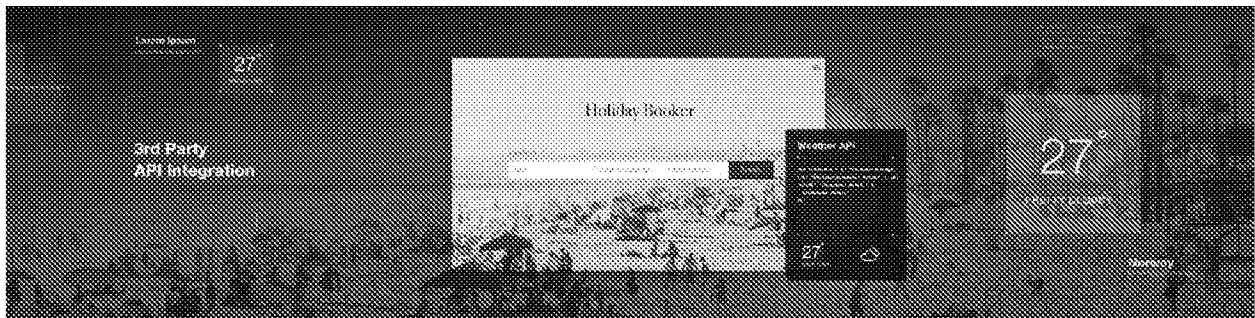
12°

COLD AND RAINY

Far right

Scotland

Lighthouse Point



Top left:

United States

Malibu Beach

Weather

31°

EXTREME HEAT

Far right

United States

Malibu Beach



Top left:

South Africa

Drakensberg Mountains

Weather

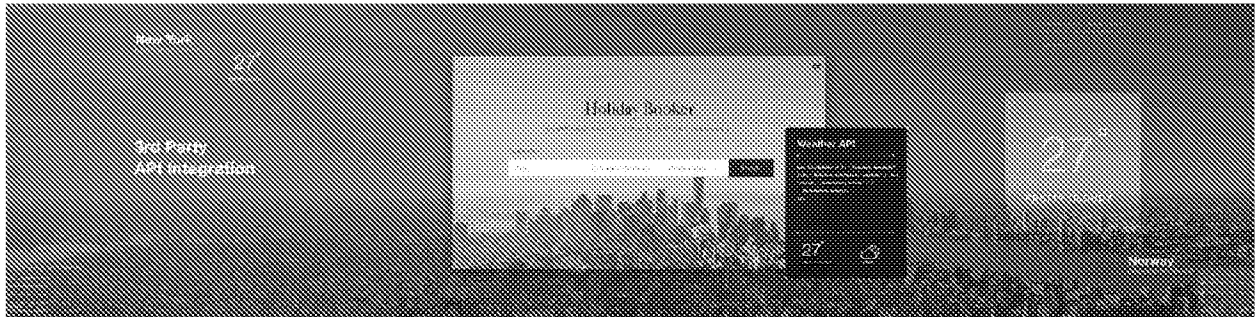
23°

WARM AND SUNNY

Far right

South Africa

Drakensberg Mountains



Top left:

New York

Manhattan Center

Weather

26°

WARM AND FOGGY

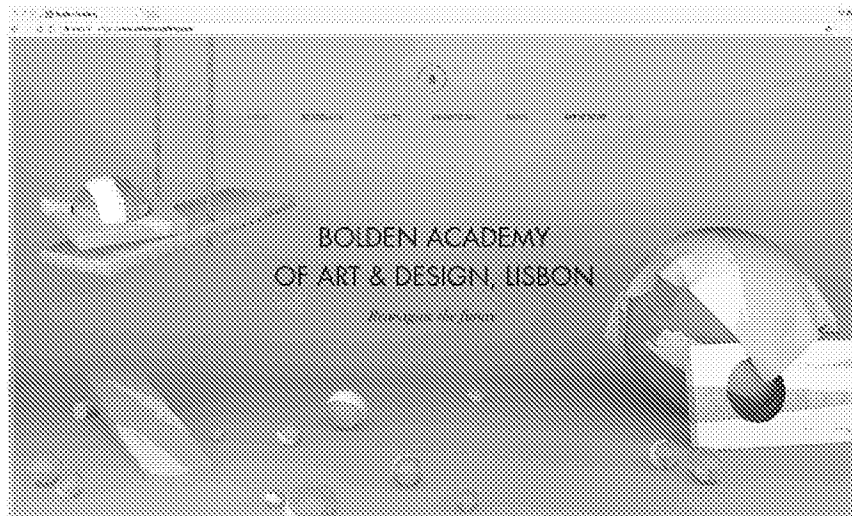
Far right

New York

Manhattan Center

Camtasia #1 - Form
(Revised Version)
Offline Version

VO: This is a website we created for an art and design school.



VO:  data-driven pages for all of our courses and programs.

OUR PROGRAMS

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Graphic Design

This program explores the basics of graphic and industrial design, as well as the design process. Learn everything from basics to final.

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Architectural Design

Learn the basics of architectural design, as well as the design process. Learn everything from basics to final.

0000000000

Fashion Design

Learn the basics of fashion design, as well as the design process. Learn everything from basics to final.

0000000000

Filmmaking

This program explores the basics of filmmaking, as well as the design process. Learn everything from basics to final.

Industrial Production

This program explores the basics of industrial production, as well as the design process. Learn everything from basics to final.

Fine Arts

This program explores the basics of fine arts, as well as the design process. Learn everything from basics to final.

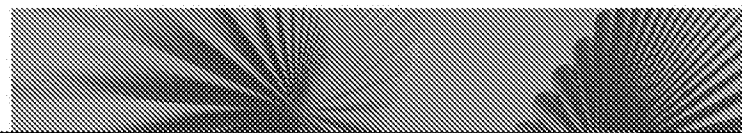
VO: Now we want to let students apply. We'll do it by building a database collection, a custom application form and an advanced admin area to manage applications.



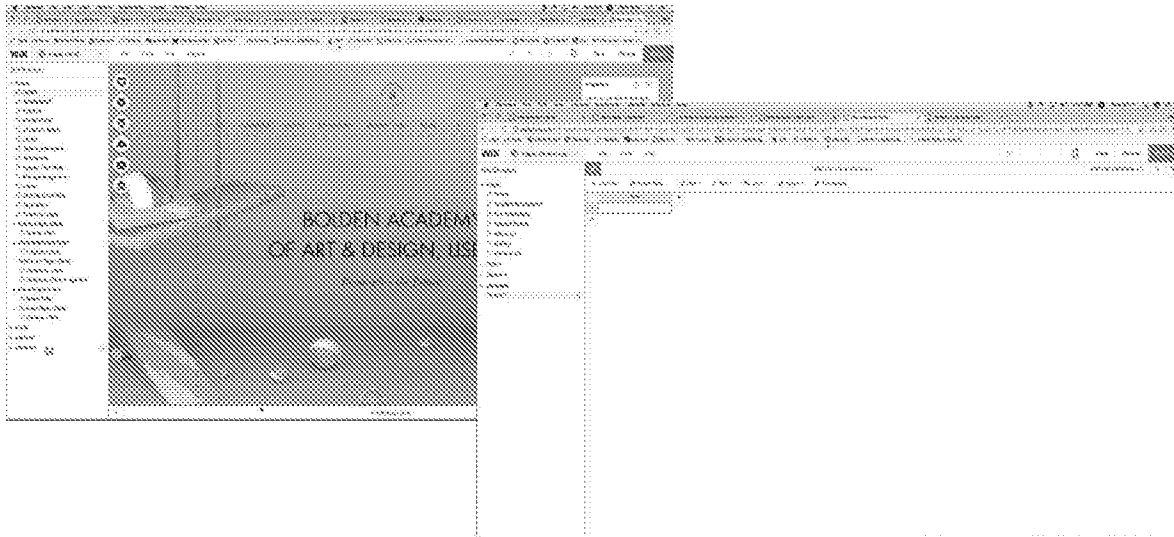
HOME ACADEMICS SUBJECTS EXTRACURRICULAR NEWS | APPLY NOW

GRAPHIC DESIGN

This program explores the basics of graphic and industrial design, as well as the design process. Learn everything from basics to final.

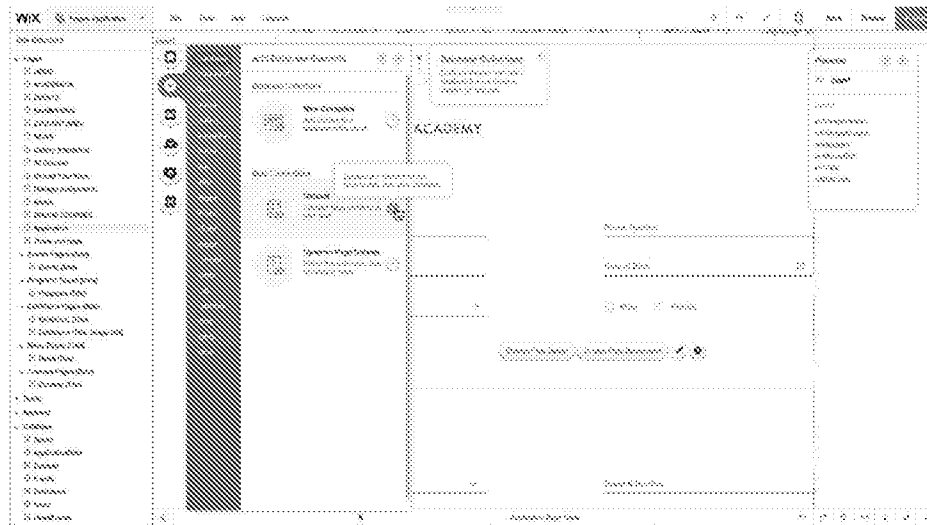


VO: First we need a database collection to store the application data we collect. We'll add a field for each piece of data, like Student Name, Email Address and more. You can add as many fields as you need. We'll also choose whether the data we want to collect is text, an image or a date & time. We're going to add about 20 fields.

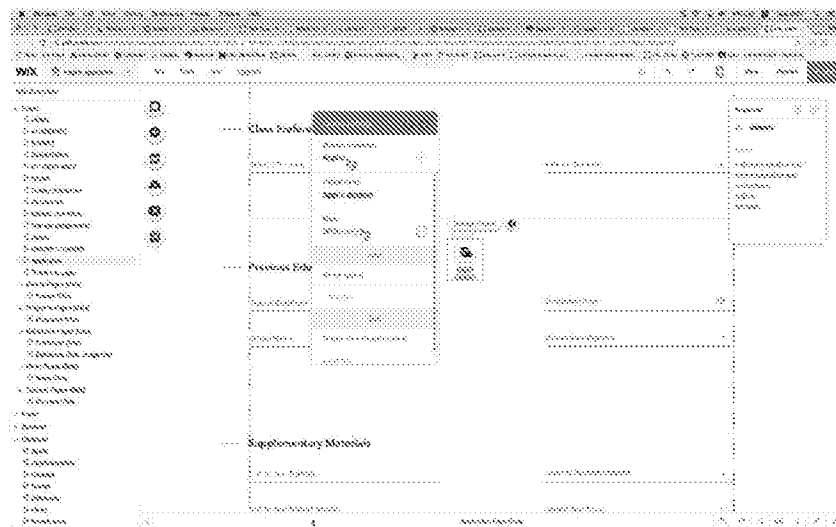


VO: This application form was built in the Wix Editor using different types of input fields, like, text, radio buttons, drop down menus and file upload options to create a robust form.

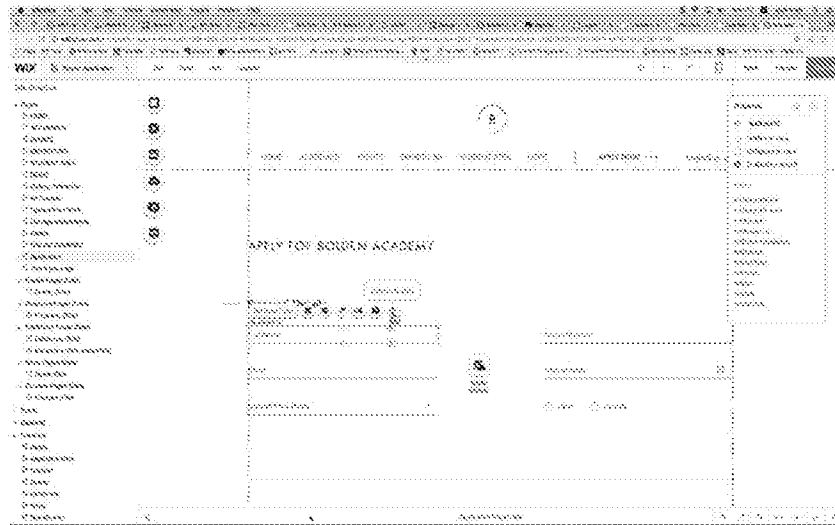
VO: Now that we have a database collection and an advanced form, we can connect them with a dataset. **This is called data binding.** We'll drag and drop one onto the page and click **Manage Dataset**.



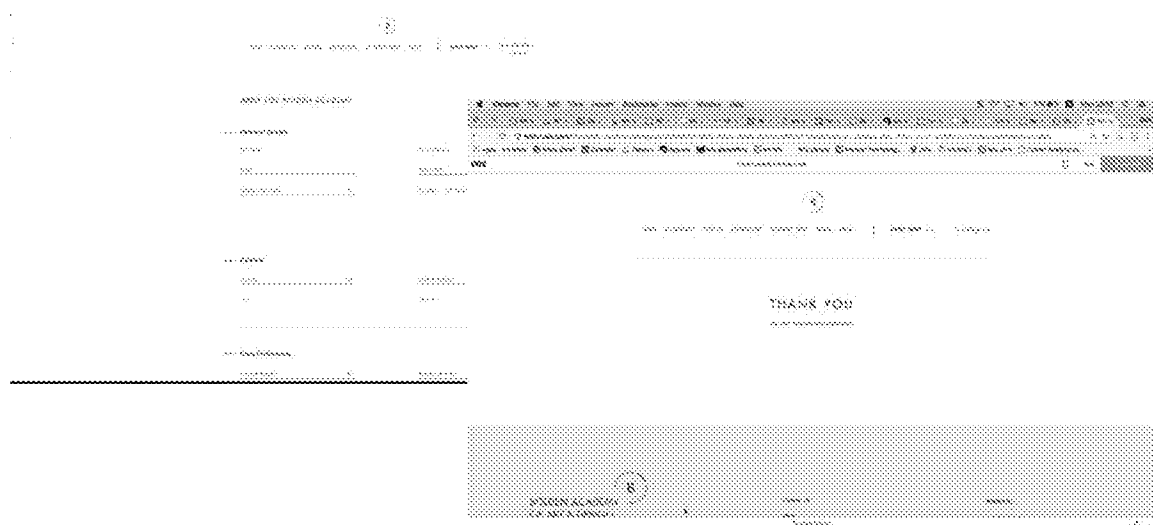
VO: Data binding allows us to send the data we collect on the form straight to the database collection. First, we'll click the **Form** to select the database collection we want to use. Since the dataset is meant for user input, we'll set it to **write-only**.



VO: We'll also set the input type for each element and connect it to the right field in our database collection. We'll do this for all of the input boxes in the form. Last, we'll connect the submit button to the database.



VO: Now we'll test the form. We'll fill it in and click **Submit**.



VO: The information students submit for their application will be stored directly in this database collection.

Wix | admin@wix.com | Wix Database

← Applic

ADD NEW | VOLUME FILTER | FILTER | SORT | RESET

	Full Name	EMAIL	Phone Number	DOB of DOB	DOB	DOB
1						
2						
3						
4	Joseph Green	jgreen@wix.com	9182275770	12/17/1997	20/00	Male
5	Michael Cook	mcook@wix.com	4048738761	11/20/1999	00/00	Male
6	William Green	wgreen@wix.com	1602759104	10/27/1999	00/00	Female
7	Jenna Green	jgreen@wix.com	1207012000	09/28/1999	20/00	Female
8	Oliver White	owhite@wix.com	2047877720	02/10/2000	00/00	Female
9	Robert Green	rgreen@wix.com	1602759104	10/27/1999	00/00	Female
10	Jenna Green	jgreen@wix.com	1207012000	09/28/1999	20/00	Male
11	Russ Brown	rbrown@wix.com	2078847770	10/17/2000	00/00	Male
12	Jenna Green	jgreen@wix.com	1207012000	09/28/1999	20/00	Male
13	John Green	jgreen@wix.com	2162728222	11/10/2000	00/00	Male

VO: To manage all the applications, we'll create an advanced Admin system. First, we need this Database to set the application workflow, from when a student clicks the Submit button to when their application is accepted. The database shows each step of our workflow, such as the faculty member responsible for it and the next step that needs to be taken. In the example, Jenna is assigned to First Screening, then any applicants she approves moves to Kaitlin, who manages the CV Approval stage.

Wix | admin@wix.com | Wix Database

← Workflow

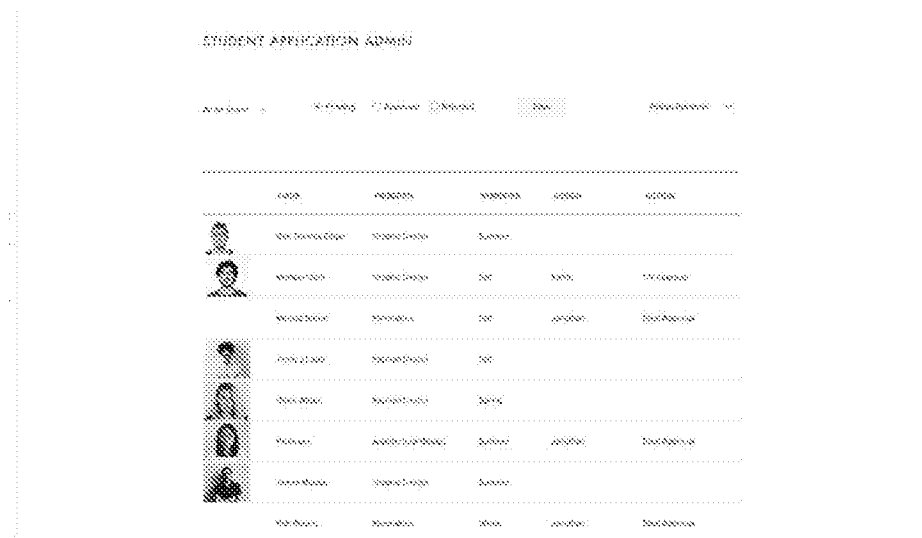
ADD NEW | VOLUME FILTER | FILTER | SORT | RESET

	Full Name	EMAIL	Phone Number	DOB of DOB	DOB	DOB
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VO. In this admin area, created using the Wix Editor, we collect the applicants' data, and let faculty members review each application and take action based on the workflow defined in the table.

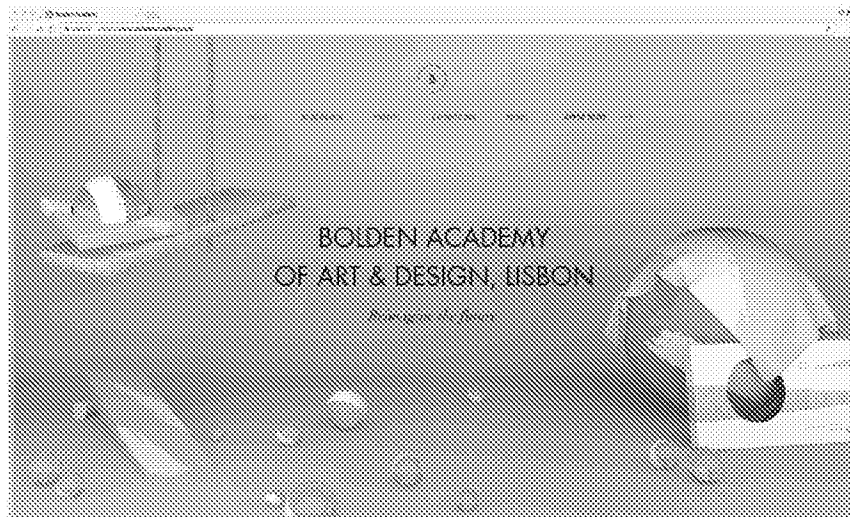


VO. Let's Preview the admin system on our live site. Now, let's filter all of the Pending applicants.



[illegible]Camtasia #1 - Form
Offline Version

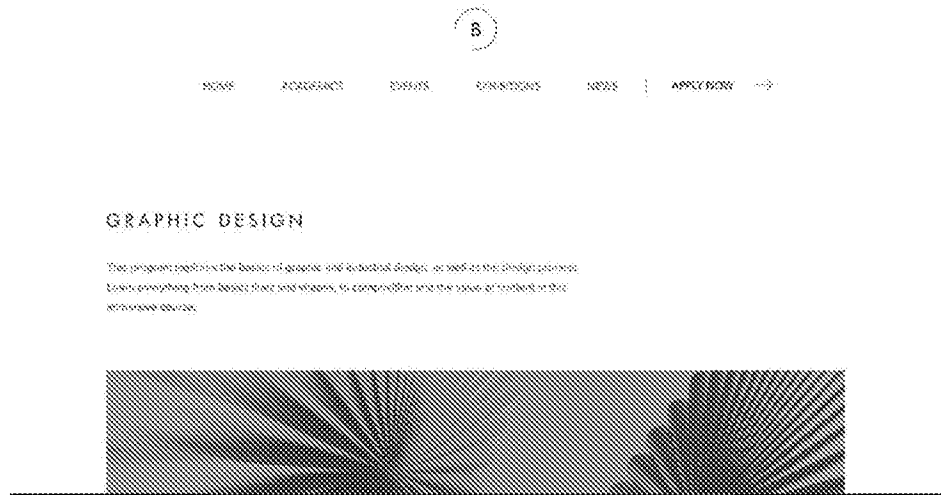
VO: This is a website we created for an art and design school.



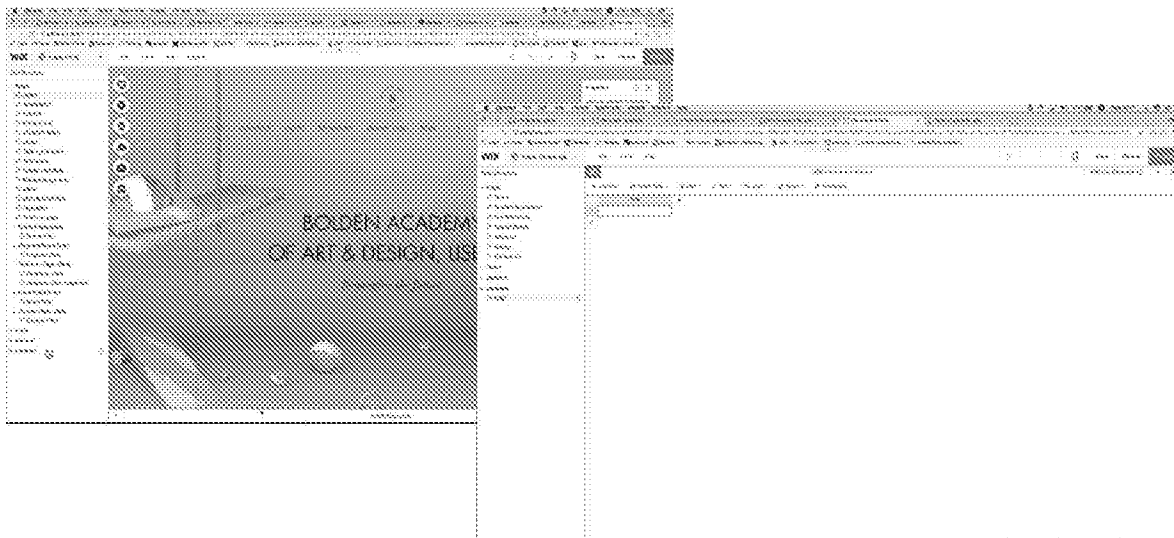
VO: I have data-driven pages for all of our courses and programs.

OUR PROGRAMS		
GO TO PROGRAMS PAGE		
Graphic Design The program explores the basics of graphic and industrial design as well as the design process, from everything from sketches to final. READ MORE	Architectural Design Learn the basics of architectural design, from the conceptual to the practical. This program includes both practical and theoretical aspects, as well as the design process, from sketches to final. READ MORE	Fashion Design Learn the basics of fashion design and how to create pieces for the runway or retail. This program includes both practical and theoretical aspects, as well as the design process, from sketches to final. READ MORE
Film Making In this program, students will learn about the art of filmmaking, from the basic concepts of cinema to the more complex aspects of production. READ MORE	Industrial Production This intensive program is designed to develop your skills in industrial design. You will learn the principles of design and how to apply them to the production of goods. READ MORE	Fine Arts Using the discipline of art, you will develop your skills in drawing, painting, and sculpture. This program is designed to help you develop your own artistic voice. READ MORE

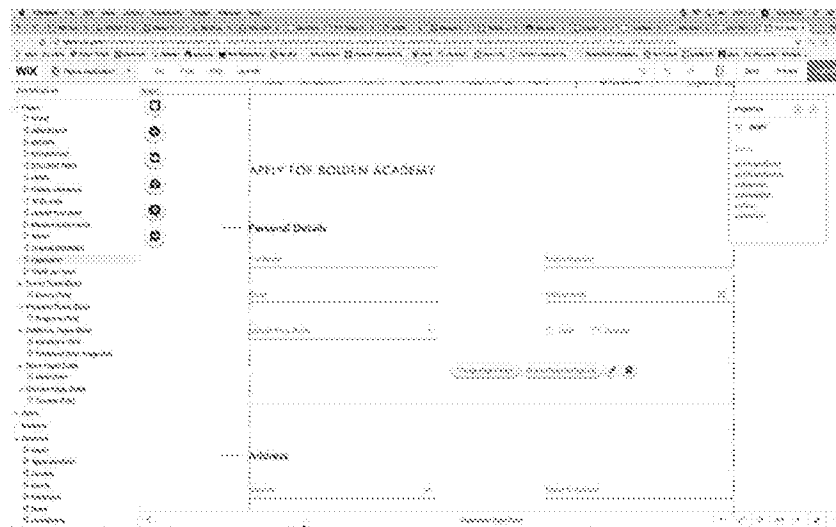
VO: Now we want to let students apply. We'll do it by building a database collection, a custom application form and an advanced admin area to manage applications.



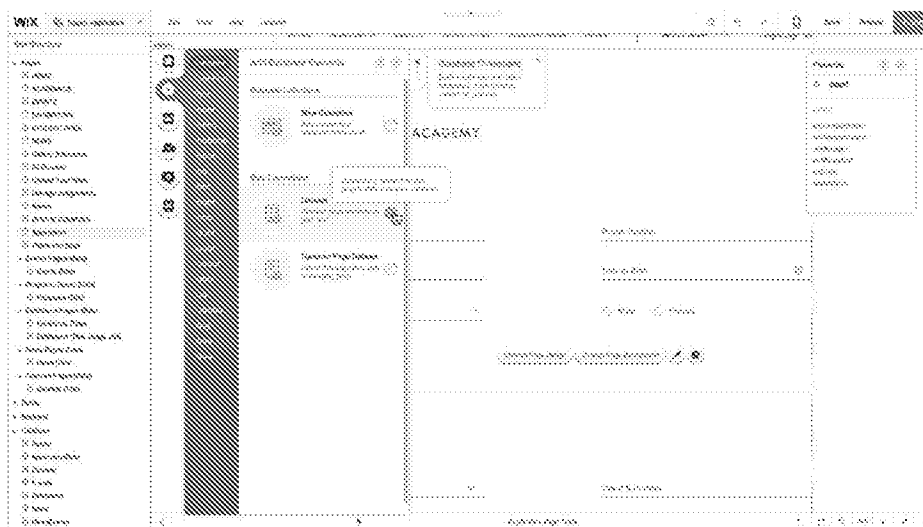
VO: First we need a database collection to store the application data we collect. We'll add a field for each piece of data, like Student Name, Email Address and more. You can add as many fields as you need. We'll also choose whether the data we want to collect is text, an image or a date & time. We're going to add about 20 fields.



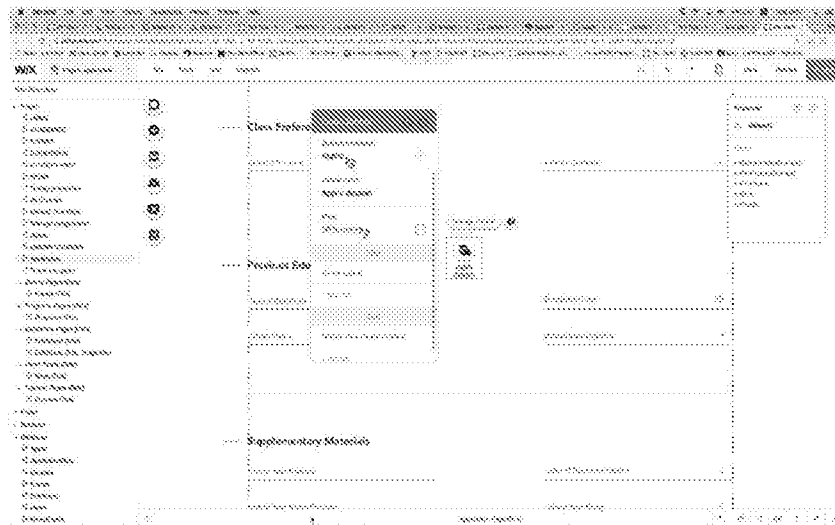
VO: This application form was built in the Wix Editor. Let's click add to see the different types of input fields we can choose for people to submit their work like text input fields, radio buttons, drop down menus and file upload options to create a robust form.



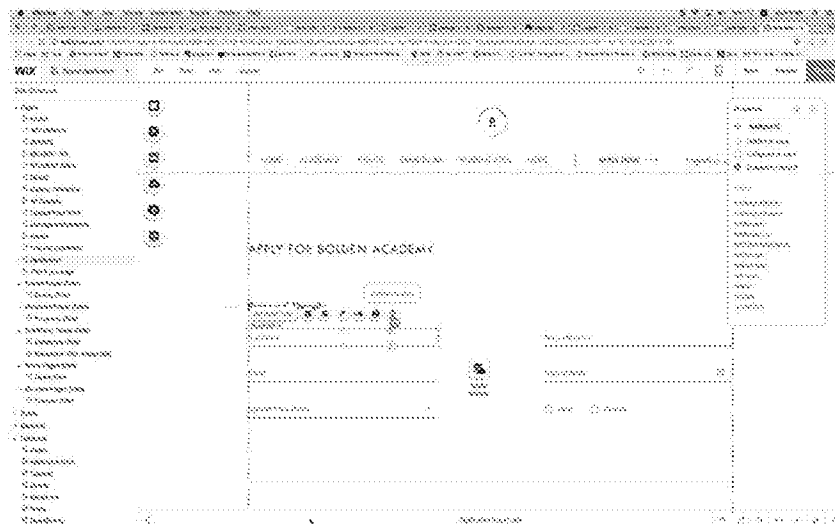
VO: Now that we have a database collection and an advanced form, we can connect them with a dataset. This is called data binding. We'll drag and drop one onto the page and click **Manage Dataset**.



VO: Data binding allows us to send the data we collect on the form straight to the database collection. First, we'll click this toolbar to select the database collection we want to use. Since the dataset is meant for user input, let's set it to 'write-only' mode.



VO: We'll also set the input type for each element and connect it to the right field in our database collection. We'll do this for all of the input boxes in the form. Last, we'll connect the submit button to the database.



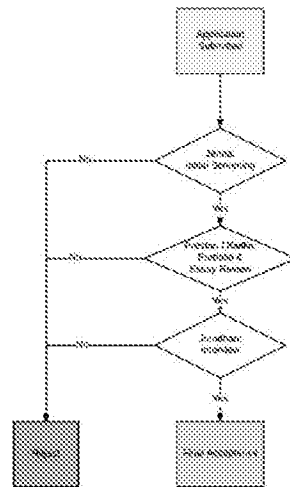
VO: Now we'll test the form. We'll fill it in and click **Submit**.

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VO: The information students submit for their application will be stored directly in this database collection.

[illegible]

VO: Wix Code lets you manage complex workflows. In this case, we created this diagram to illustrate our application process from when a student clicks the Submit button to when their application is accepted.



VO: The database below shows each step of the application process, who's responsible for it and the next step that needs to be taken.

The screenshot shows a Wix Workflow database table with the following structure:

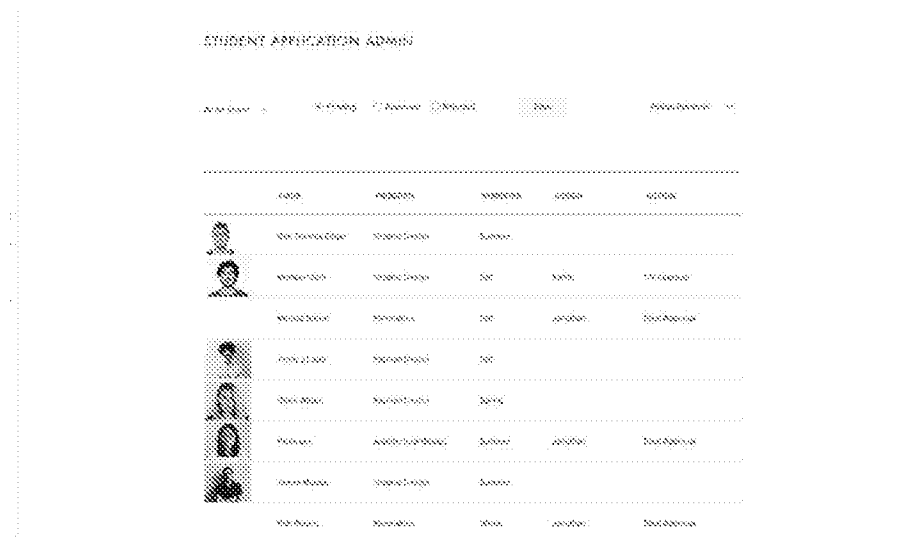
Step	Responsible	Next Step
Application Submitted	Student	Initial Review
Initial Review	Admissions Office	Review: Grades, Essays, Recommendation
Review: Grades, Essays, Recommendation	Admissions Office	Final Review
Final Review	Admissions Office	Final Acceptance

The table is displayed within a Wix Workflow interface, which includes a sidebar with navigation options and a header area with the title "Workflow".

VO The admin area collects this information and lets faculty members review them and take action.



VO Let's Preview the admin system on our live site. We can see all our applicants and the stage they're at.

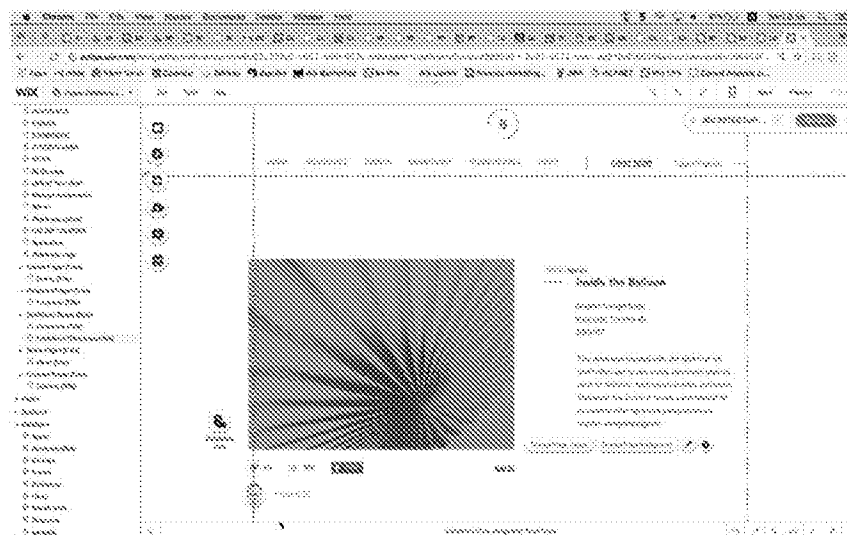


Cantasia #2 - Submissions

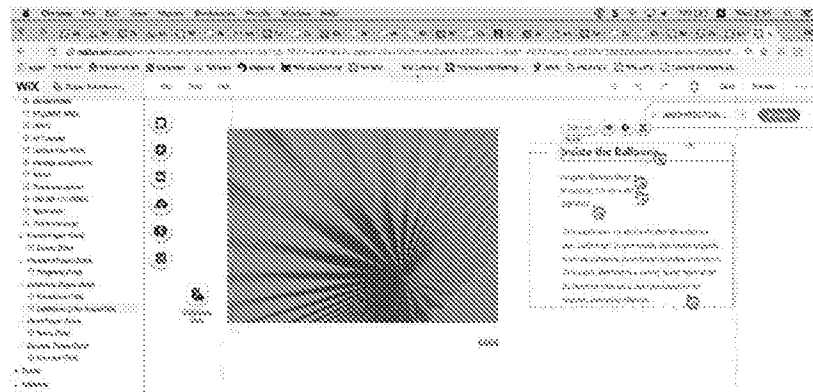
VO: During the semester students submitted their artwork. Their artwork images are all stored in this database collection along with information about each student!

[illegible]

VO: [REDACTED] to showcase student artwork. By connecting each element to the page, it is
[REDACTED] and our data is collected. We can use one page design for 100s of unique pages with student art



VO: We'll connect the image, artwork title, student name, program, course and description to the fields in the database collection. Now let's see what it looks like on the Published site



VO: As you can see, every page has the same structure, but features unique content for each piece of art.

