
From: "Swati Prem" <swati.premkumar@compassites.net>
Sent: Tue 3/11/2008 2:46:59 AM (UTC-07:00)
To: <Team@icharts.net>
Cc: <baxim@yahoo.com>
Subject: FW: High level requirements specification document for iCharts Portal
Attachment: iCharts Portal Requirement v1.0.doc

Hello Team,

Sorry, the file wasn't attached.

Regards
Swati Prem
Business Analyst
Compassites Software Solutions Pvt. Ltd.
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From: Swati Prem [mailto:swati.premkumar@compassites.net]
Sent: Tuesday, March 11, 2008 3:00 PM
To: 'Team@icharts.net'
Cc: 'baxim@yahoo.com'
Subject: High level requirements specification document for iCharts Portal

Hello Team,

Attached is the high level requirements document that Mahesh has put in place for iCharts Portal. We could use this document as a starting point to define the detailed requirements for iCharts portal.

Regards
Swati Prem
Business Analyst
Compassites Software Solutions Pvt. Ltd.
Pune.
M - 099 70 11 3366

"A single idea, the sudden flash of a thought may be the beginning point of a fortune"

Requirement Specification For iCharts Portal

By



DRAFT – v 1.0

About Compassites

Compassites Software Solutions founded in Jan 2006, is an ideation company that alchemizes ideas into realities.

Our clients include both start-ups and product based companies who feel that their search for a partner in dreams ended with us. As an Ideation company, we take pride that simple ideas from wannabe entrepreneurs have grown in our ideation labs into companies.

We guess it's not just the technical expertise of our people in fourth generation technology tools but also their commitment and persevering attitude to materialize someone's dream to be an entrepreneur. Astounding things happen when we go beyond the physicality of a product and revere the ideology behind it.

Compassites Software Solutions Pvt Ltd.
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Document History:

Version	Prepared By	Date	Reviewed By	Comments
0.1	Vivekananda Sahoo		Mahesh Baxi	
0.2	Mahesh Baxi	03/01/2008		Updated to include requirements after discussions with Seymour
1.0	Swati Prem	10/03/08		Changed the numberings for requirements

1. Introduction

1.1 Background

According to an estimate by Edward Tufte, the leading global expert in data visualization, “each year, the world over, somewhere between 900 billion (9x10¹¹) and 2 trillion (2x10¹²) images of statistical graphics are printed”. However, it is not yet easy to actually find quantitative and statistical data online. Furthermore, anyone who spends some time to screen websites randomly will find that content of most is more or less text-centric as compared to traditional publishing. There is a huge discrepancy between the vast utilization of printed statistical graphics and the scarce utilization of charts online.

It is believed that the lack of appropriate publishing tools and methods is the root cause for this. The process of publishing charts and table to, for example online publications, blogs, homepages or collaboration rooms is cumbersome, tedious and, if automated, it is prohibitively costly.

The iCharts founders aim to provide a solution for the problem in the form of innovative web portal which will provide a dedicated search capability for facts & figures, jointly with the capability to easily and intuitively construct a chart or table and publish them through online publications, blogs, websites etc.

The solution will be developed in phases, where phase 1 will include development of highly innovative data publishing capability for the user, including:

- Allowing users to easily and intuitively construct a chart or table from an uploaded excel spreadsheet and set of presets.
- Enabling users to easily publish their iCharts to websites and updating them by simply sending spreadsheet with new data to the iCharts service.

Purpose of the Document :

Objective of this document is to define the future system requirement specification for iCharts Portal Application.

2. Requirement Specification

Req.1.0 Quick & Easy Search

The user should be able to perform a quick and search for charts.	
Req. No.	Requirements
Req.1.1	The search can be on the following parameters: - Based on Keywords
Req.1.2	Based on Rankings of the Charts – The user should be able to select the search on the following - Most Viewed - Most Tagged - Most Downloaded - Top Favorites
Req.1.3	A particular search result can be further sorted by - Degree of Relevance - Date of Added - View Count by other users - Ratings provided by other users - By All time - By this Month - By this Week - By Today - By Best Match - By Downloads - By Contributor - By Reviews provided by users - By location and regions (APAC, Europe, America etc) - By iCharts Member name - By titles of iCharts - By Featured iCharts member - By Price - By controlled vocabulary
Req.1.4	The search can be sorted by also by File Types - Chart Photo (xsmall,small, large, extra large, xlarge, xxlarge)
Req.1.5	The search should also display on one corner: - Recent File Searches
Req.1.6	Integration of Raw Sugar would enable the user to search within tagged and relevant charts. (explained in detail in Req.14)

Req.2.0 iChart Advanced Personalization

User should be able to opt for advanced personalization that caters to their specific needs and requirements.	
Req. No.	Requirements
Req.2.1	To receive relevant updates the user can sign to 'Interested Categories'
Req.2.2	The application enables 'Display Reward Points' collected
Req.2.3	Notifications: Portal should enable to send out notifications based on personal preferences under the following situations: - when a new chart published - Updation in a particular category
Req.2.4	The user can set an option where they can view the charts & chart suggestions of particular iChart member of their choice.
Req.2.5	The user can get a notification when a chart of their favourite category has been added.
Req.2.6	Ability to have public and private areas for viewing and publishing charts.
Req.2.7	Ability for administration user to create and maintain collaboration rooms.

Req.3.0 User can put his/her Charts and Favorites in the order he/she chooses

The user can arrange or put his or her favourite charts in a particular order they prefer.	
Req. No.	Requirements
Req.3.1	The application allows the user to place in a particular order their favourite charts in a manner that suits them. The user can re-arrange their charts and favourites however they like. The application should enable to go to organize charts under their 'My Account' to change the order.

Req.4.0 Seamless integration with iCharts Studio

iCharts Portal should be integrated with iChart Studio.	
Req. No.	Requirements
Req.4.1	The iChart should be integrated with iChart studio and user should be able to publish charts to portal.
Req.4.2	Ability to publish charts from Studio to Collaboration rooms within portal.

Req.5.0 Secure layered Payment

The portal should have a secure layer that enables the storing of personal information of users.	
Req. No.	Requirements
Req.5.1	The portal should enable to store personal information of the users including credit card information.
Req.5.2	The application should enable and implement third party getaway.

Req.6.0 User can change the variants of a chart

The user should be able to change the various parameters and dimensions to be able to see the variants of the chart.	
Req. No.	Requirements
Req.6.1	The application lists a number of parameters and dimensions which then the user can select to see a particular variant of charts.

Req.7.0 User can create and maintain Accounts

The iChart user login page should allow the iCharts customer administrator to log in to the system and allow him/ her to manage iCharts various accounts.	
Req. No.	Requirements
Req.7.1	The application enables the user to maintain various accounts type: Personal accounts & Corporate accounts.

Req.8.0 Downloading charts

The user should be able to download charts from the portal	
Req. No.	Requirements
Req.8.1	User can download either in pdf or excel format
Req.8.2	The download can be integrated with the payment gateway
Req.8.3	User enrolled as members can accumulate reward points based on download activity. User should be able to visit the store to purchase, download credits when they are ready to buy some charts. Credits should start as low as \$1 each, with a minimum purchase of \$3. They should be able to buy as many credits as they need and they become less expensive when they buy in bulk.

Req.9.0 Upload and contribute

Any user should be enabled to apply for in contributing to the charts collection.	
Req. No.	Requirements
Req.9.1	Users should be able to upload data and charts after creating them in the studio. Once they are accepted they can then start uploading charts, and earn royalties when their charts are downloaded.
Req.9.2	User should be able to copy chart into personal account, make changes to the chart and publish as a different version to the portal while maintaining link to the original version of the chart.

Req.10.0 Sponsored Charts

Corporates or other groups can sponsor a particular user to make charts.	
Req. No.	Requirements
Req.10.1	The application should enable a corporate or other user groups to sponsor a particular chart creator or user to create charts on a particular domain or industry and publish them in iCharts.

Req.11.0 Use of Suggestions for search

The portal during search activity performed by a user should suggest appropriate names that are close to the search word entered.	
Req. No.	Requirements
Req.11.1	For e.g When a user suggest a term for an Chart like Splark and it'll look it up in the portfolio and it'll ask if the user meant "splurge", "pluck", "spark", "spunk", or "split and not provide useless suggestions.
Req.11.2	The application enables a user can suggest his/her charts, and they can suggest only their own charts. This would be an easy way to restrict the number of charts offered for suggestion.
Req.11.3	Each contributor will have a 'My Charts' page where he/she can manage the charts they added to the system. From here they should be able to renew a chart's 4-day counter and view the list of suggestions made to a chart, even after its 4-day window has expired.

Req.12.0 Micro-Payment System

It should work on a micro-payment system which allows users to purchase charts in quantity.	
Req. No.	Requirements
Req.12.1	The application should enable the user to purchase charts on a micro-payment basis. User should be able to pre-purchase a package of credits and then redeem the credits for charts. Charts can cost between 1 and 20 credits per download depending on the file type and chart resolution.

Req.13.0 Active Sharing of charts by users

Active sharing enables the user to see which other user is watching and viewing the same charts that the user is watching at that particular time.	
Req. No.	Requirements
Req.13.1	When a user enables or turns on this feature, the last few charts viewed would be displayed on the Channel page.
Req.13.2	In addition, when someone visits one of these charts, they are likely to see the User's username listed in the "Who's Watching" box in one of the corners of the page.
Req.13.3	The application enables it to be turned on or off by the user as per the use.

Req.14.0 iCharts contests

A registered user should be able to announce a particular contest on a particular theme for receiving a particular chart.	
Req. No.	Requirements
Req.14.1	The application enables Chartographers or Chartcreators to submit charts for a particular industry or on a theme decided by the contest creator.
Req.14.2	The judging of the charts entered in a particular category will be done initially by the community and then narrowed to second- and first-place winners by a panel of industry judges. Winners will be announced in the portal when the due time arrives.

Req.15.0 Organizing Chartographers or Chartcreators Programs

iCharts portal should enable the admin user to create various programs that ensures the other users to contribute charts to the online community.	
Req. No.	Requirements
Req.15.1	The iChart "Diamond" chartographer or chartcreator program would represent win-win-

	win opportunities available for dedicated chart creators to consistently contribute high-quality charts to this portal.
Req.15.2	Such programs would encourage the chart contributors and enable the iChart portal for achieving maximum downloads. The contributors can be then rewarded with the privilege of submitting up to five charts a month to iCharts for additional exposure and increased remuneration.
Req.15.3	This kind of Talent recognition program for top contributors would then be but one of the ways its one-of-a-kind community of cartographers or chartcreators are groomed to the benefit of all constituents: chartcreators customers, iCharts and the community which uses these charts in the world at large.

Req.16.0 Implementing iChartsRoyalties

iChartRoyalties is a tool that would track the historical development of a users portfolio and royalties, and projects future performance. It should be able to work with any number of downloads, at any canister level, exclusive or otherwise.	
Req. No.	Requirements
Req.16.1	The tool should be able to rapidly import the user's entire contribution history from iChart CSV files.
Req.16.2	The application through the use of sophisticated modelling tools can shape projections based on weekends and seasonal variation
Req.16.3	It should be able to track the users royalties in both US\$ and the user's local currency simultaneously, seamlessly incorporating the exchange rate received for each payout.

Req.17.0 iCharts Online Social Forum

Icharts events allow the users to inform and conduct events through online forums	
Req. No.	Requirements
Req.17.1	This would also enable discussion between various users about iCharts and relevant topics related to iCharts.
Req.17.2	For signed in users the application should enable for them to collaborate, ask question to the publisher of the charts etc.

Req.18.0 Integrating Raw Sugar

The integration of RawSugar channel for iCharts would enable tagged and faceted search.	
Req. No.	Requirements
Req.18.1	User participation: search displays user generated content – majority of the content related to charts will get added to the iChart portal. This would act as a content repository of iCharts.
Req.18.2	Through faceted search users can view numerous tags related to iCharts – for e.g charts relating to various industries, concepts of statistics, types of charts. This would enable the users to discover more information about iCharts.
Req.18.3	Raw sugar search would then provide more relevance to a search by a user because it will be tagged by users on relevance.

Req.19.0 iCharts Q and A

This feature would enable the users to pose a question to an expert and receive answers for them.	
Req. No.	Requirements
Req.19.1	This feature would allow all users to benefit by getting answers for an individual user. This would act as an online repository of knowledge.

3. Release Milestones

- Alpha Release - August 2008
- Beta Release - October 2008
- GA Release - December 2008

4. Next Steps

Subsequent to this, Compassites proposes the following next steps we foresee in taking this engagement forward:

- Finalize product features
- Dive deep into each of the features and create PRD (product requirement document)
- Ramp-up technical team (in process)
- Finalize architecture
- Create UI mock-ups
- Create detailed project plan
- Start development