
Documentation

For

CODE & CODERS

“Professionals Networking Website for Coders”

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1. Introduction

1.1 Purpose

This document contains the software requirements specification (SRS) for the Professional Networking Website specific for coders and software developers. This is the initial release of the product. This SRS details the requirements for the web application.

1.2 Intended Audience and Reading Suggestions

This document is intended to be used by documentation writers, developers, project managers, and testers. All further documentation regarding the product will be developed based on the requirements specified in this document. Developers should use this document for general guidance in the process of constructing the product. Project managers should ensure that all priority requirements detailed in this document are being addressed correctly. Finally, testers should use this document as a basis on which to form their test cases.

This document is designed in a way to provide more detail as it progresses. Section 2 gives an overview of the application, its intended users, and its general functionality. Section 3 describes the interfaces that the user will use to interact with the website. Section 4 breaks down the specific functional requirements of the website.

2. Overall Description

2.1 Problem Statement

With a growing trend of web 2.0 the way of design and development of websites is changing at a fast pace. The need to interact and collaborate has forced the web architects to design web applications which give more control to the users.

With such changing trend there exists no such website which allows software developers to interact and collaborate in a way that they could easily share their source codes, customize their profiles bookmark their favorites and manage their own free blog. Most importantly a place which gives them identity and allow them maintain their online portfolio. We believe that there is a growing need for such online network which is needed to be fulfilled.

2.2 Comparative Analysis

Some of the top websites that we found for comparative analysis are listed below.

- 1- Pscore.com
- 2- Codeproect.com
- 3- Codeguru.com

2.2.1 Criteria for Analysis

- Source code
 - Sharing and downloading
 - Comment or rate
- User Interaction and features
 - Free membership
 - Customizable profile
 - Code management
 - Blog/journal
 - Bookmarking
 - Interaction with other users
- User Interface
- Additional features

2.2.2 Websites for analysis

2.2.2.1 Planet Source Code (www.pscod.com)

Planet Source Code is a source code repository, where people from all over the world contribute source codes. Currently this website is one of the most popular sites for free downloading of source codes.

- **Source Codes**

We test the website for source code downloading based on the following criteria

- **Source Code Downloading/sharing**

Source code can be downloaded by sharing or by browsing through different categories.

Search is only language specific; however one can browse through different categories in specific language like: complete applications, data structures, beginners /assignments, networking etc.

- **Comment or rate source code**

Registered members can comment on source code, however anyone can rate it.

- **User interaction & features**

User Interaction is tested on the following features.

- **Free membership**

Anyone can become a member of Planet Source Code by signing up for free. Signing up is a very simple and efficient process as far as form filling is concerned. By giving an email address and password it signs you up. Once signed up you can customize your profile by adding more data such as your name, your photo, your url etc. But the real problem is you can't find signup/login button anywhere on the website. To sign up you need to click on upload code first, then it will ask you to login or sign up.

- **Customizable profile**

You can customize your profile anytime after signup. However it doesn't give you any profile url or online identity.

- **Code Management**

It gives you the ability to manage your uploaded code through control panel.

- **Bookmarking**
Bookmarking facility is not available.

- **Interaction with other users**
Interaction with other users is possible by commenting on others codes and posting in forums.

- **User Interface**
User interface is pathetic which also results in bad user experience. For more info please check screenshots.

- **Additional features**
Additional features include:
 - Job Board
 - Forums
 - E-mail subscription
 - Coding contest

- **Screenshots**

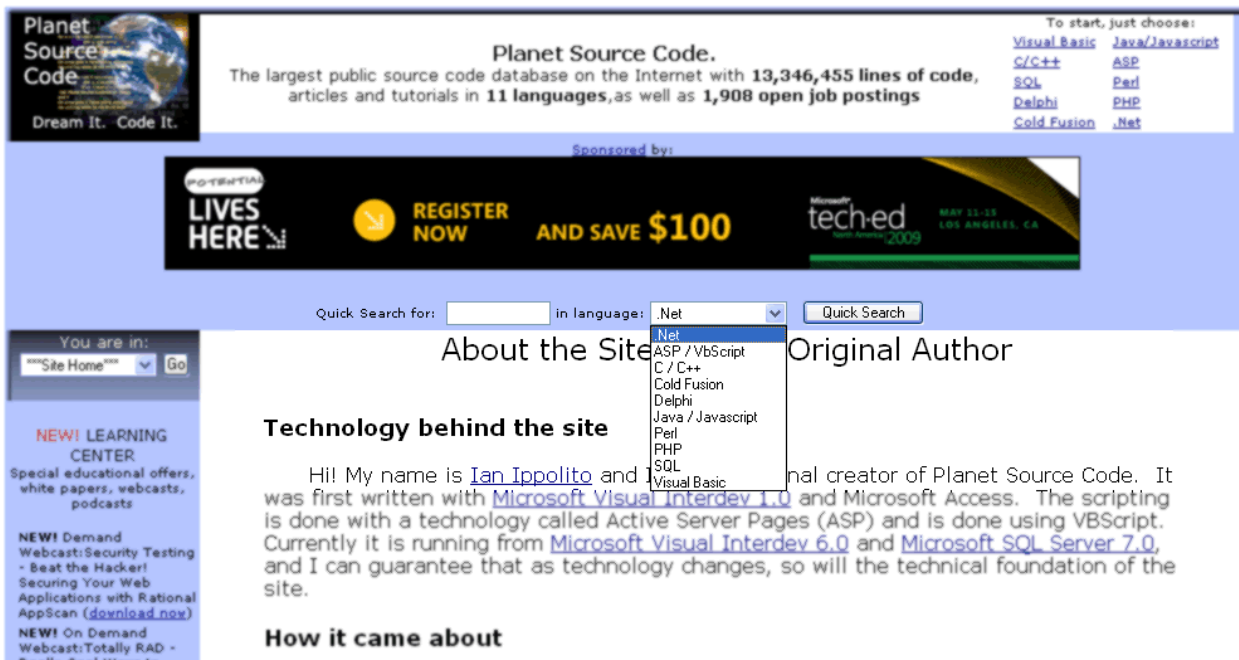


Fig: 2.2.2.1.1: Search criteria for source codes

Algorithms (18,635 lines)	GUIs (15,172 lines)
Coding Standards (30,751 lines)	Internet/ Browsers/ HTML (45,056 lines)
Complete Applications (123,831 lines)	Macros (1,426 lines)
Controls/ Forms/ Dialogs/ Menus (77,512 lines)	Math (14,954 lines)
Data Structures (7,493 lines)	Miscellaneous (73,844 lines)
Databases (47,522 lines)	Security (16,347 lines)
Debugging and Error Handling (2,654 lines)	Server Side (6,836 lines)
Documents/ Frames (882 lines)	Sorting (1,907 lines)
Essential Binaries/Compiled Libraries (5,267 lines)	Strings (9,084 lines)
Files (25,161 lines)	System Services/ Functions (21,086 lines)
	Validation/ Processing

Fig: 2.2.2.1.2: Source Codes categories in the .NET language.

✖ Report Bad Submission
Use this form to notify us if this entry should be deleted (i.e contains no code, is a virus, etc.).
This submission should be removed because:

Your Vote!
What do you think of this code(in the Beginner category)?
(The code with your highest vote will win this month's [coding contest!](#))
 Excellent Good Average Below Average Poor

[See Voting Log](#)


Other User Comments
 10/15/2005 10:20:34 PM: [Jassa](#)
If any of my Internal Documentation is false and/or misleading, let me know! Also, if there was something I could have coded better. Lemme know ;d I'm here to learn.
(If this comment was disrespectful, please [report it.](#))

Fig: 2.2.2.1.3: Source codes comments and rating

This feature requires you to login first. If you do not have an account yet, please click here to [create your free account](#).



- This feature requires a cookies-enabled browser. If you are blocking cookies, please re-enable them. If you don't have a cookies-enabled browser, click [here](#) to get one.
- Your account is good on all Exhedra sites, which include: www.RentACoder.com , www.Exhedra.com , Planet-Source-Code.com , VBExplorer.com , and others.

Fig: 2.2.2.1.4: User login page.

[Enable my account for uploading >>](#)

Your contribution to Planet Source Code (tm):





1) Qualifies you to win free development software!
The more of your code you submit the better your chances of winning!!

2) Gives you WORLD-WIDE exposure for your programming skills!
If you so choose, users can click straight to your world wide web site from your code!

3) Allows Planet Source Code to continue to provide free services to the world-wide programming community!

Fig: 2.2.2.1.5: You need to enable your account for uploading

Full Name:
(Displayed on your submissions)

Email address:

World Wide Web Link:

(Optional Info)

I want free exposure. Give viewers of my code a link to my web site.
 Please notify me by email when someone submits feedback about my code.

Your photo:
Get the recognition you deserve with a 70 wide x 100 high .jpg or .gif photo of yourself on all your entries!

Your Bio:
Appears when user clicks on your 'bio info'

Fig: 2.2.2.1.6: User profile customization.

Welcome to the author upload page, umerjee!

Author Options:

Submit new code/articles

Edit my existing code/article entries (and/or user feedback)

Edit my author profile

About umer x

Name: umer x
Email: [Click here to email](#)
[All submission\(s\) by this author](#)

Fig: 2.2.2.1.7: Control panel for members.

The screenshot shows the PlanetSourceCode.com website. At the top, there's a navigation bar with links like 'Code/Articles', 'Newest/Best', 'Community', 'Jobs', 'Other', and 'Goto'. Below this is a search bar and a 'Quick Search' button. The main content area is titled 'About Spot' and contains the following information:

- Name:** Spot
- Email:** [Click here to email](#)
- Web Site:** <http://www16.brinkster.com/spotshome/>
- [All submission\(s\) by this author](#)

Below the bio text, there is a placeholder for a bio image with a red 'x' icon. The bio text reads: 'Historically I've been a VB (COM) and ASP developer by trade for the last 8 yrs, and have done more with VB than most think is possible. Recently, have moved to XML and C# because of the ease of reuse and full OOP enviroment.' (Note the typo 'enviroment').

At the bottom of the bio section, it says: 'My SQL and Access skills are pretty advanced, I'm not a DBA (but I play one at work).'

The sidebar on the left contains a 'You are in:' dropdown menu set to '.Net', a 'Logout' link, and several 'NEW!' announcements, including 'LEARNING CENTER' and 'Demand Webcast: Security Testing - Beat the Hacker! Securing Your Web Applications with Rational AppScan (download now)'.

Fig: 2.2.2.1.8: Profile page for members.

2.2.2.2 Code Project (www.pcodeproject.com)

The Code Project is a community of **Visual Studio and .NET** developers joined together with certain common goals: to learn, to teach and to have fun programming. Developers from all over the world come together to share source code, tutorials and knowledge for **free** to help their fellow programmers.

- **Source Codes**

We test the website for source code downloading based on the following criteria

- **Source Code Downloading/sharing**

Website is basically a knowledge sharing community rather than a code repository. One can find articles and posts related to different languages and problems. Most of the times code is attached to that article but not always. You can search for articles and different posts in different categories. However you wont be able to find specific code directly.

- **Comment or rate source code**

One can open an article and post comment or start a new thread easily.

- **User interaction & features**

User Interaction is tested on the following features.

- **Free membership**

Membership is free and anyone can become a member by signing up a simple form. Membership form is very simple and anyone can quickly understand it.

- **Customizable profile**

You can customize your profile anytime after signup. However it doesn't give you any profile url or online identity.

- **Code Management**

It doesn't give you any code bank. However you can post articles and attach code with it. It shows you complete track of previously posted article.

- **Bookmarking**

Bookmarking facility is available. You can bookmark any article.

- **Interaction with other users**

Interaction with other users is possible by commenting on others articles and posting in forums.

- **User Interface**

User interface is pathetic, just too messed up. Information architecture is very badly designed.

- **Additional features**

Additional features include:

- Job Board
- Forums
- E-mail subscription
- Groups

- **Screenshots**

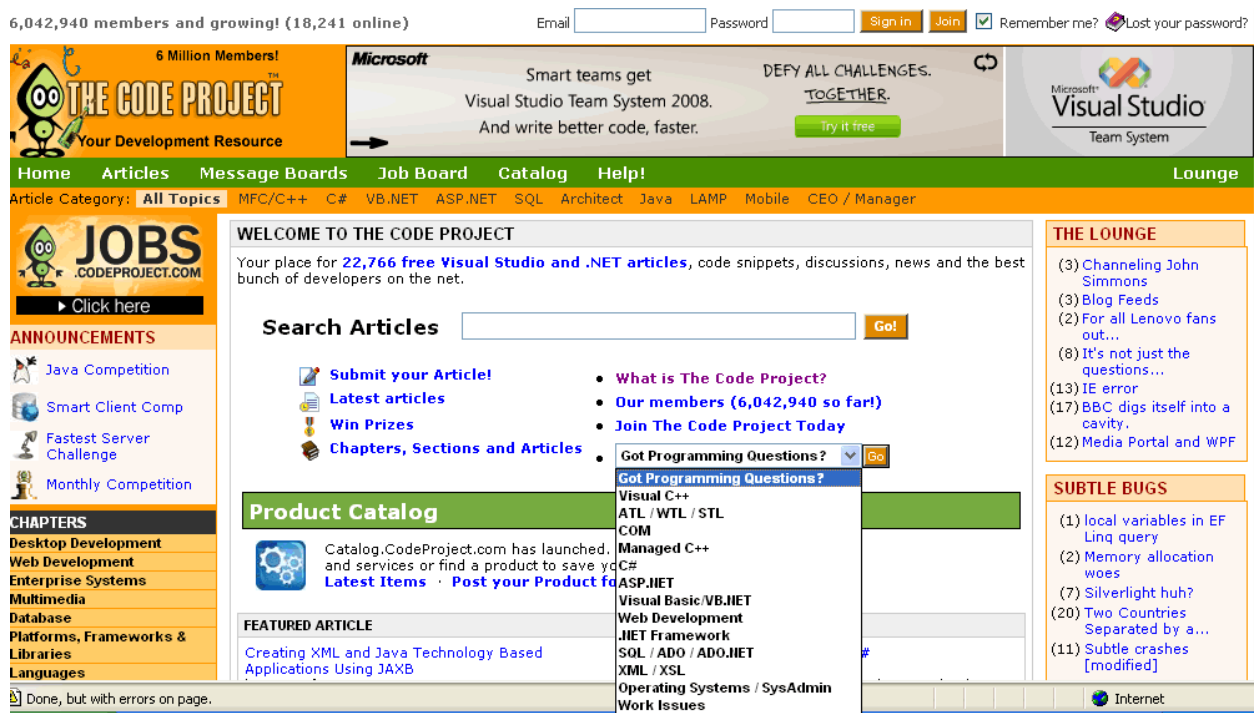


Fig: 2.2.2.1: Search criteria for source codes

New Message		Msgs 1 to 25 of 31 (Total in Forum: 31) (Refresh)	First Prev Next
	Error in Create a new message thread	Elysium	3:17 9 Mar '09
	Re: Error in Frequency domain?	Jeff Morton	3:41 9 Mar '09
	Re: Error in Frequency domain? NEW	Elysium	14:02 9 Mar '09
	Question on how to get the frequencies	kyanmark_johnwill	5:52 3 Mar '09
	Re: Question on how to get the frequencies NEW	hazeljane	19:49 13 Mar '09
	Re: Question on how to get the frequencies NEW	Jeff Morton	2:34 14 Mar '09
	spectrogram of a wav file	plouvou	1:59 13 Jan '09
	Re: spectrogram of a wav file	Tae-Sung	1:07 19 Jan '09
	Re: spectrogram of a wav file	tortexy	4:50 3 Feb '09
	Draw waveform for already existing wave file	jugal_piet@indiatimes.com	12:26 6 Jan '09
	Very great app	Mr. Yi	20:31 26 Nov '08
	Detecting DTMF tones	Godwin Sam Josh	8:44 22 Oct '08
	Bug in event detection - left channel only is used	Atis Straujums	2:43 10 Oct '08
	Re: Bug in event detection - left channel only is used	Jeff Morton	4:16 10 Oct '08
	Another hi!	stano	10:16 25 Sep '08
	Anger detection software	100,000 Cold Calls	3:44 13 Aug '08
	Re: Anger detection software	flowerchild12	4:48 9 Feb '09
	the file is not saving ...!!	Ashok Nalam	17:05 9 Jul '08
	Display Of Frequencies	RonD	20:17 25 May '08
	Re: Display Of Frequencies	Member 4708801	7:24 2 Aug '08
	Re: Display Of Frequencies	Member 4708801	7:25 2 Aug '08

Fig: 2.2.2.2: User comments and posts.

Settings | Newsletters | About You | Forums | Articles

Please fill in all values in this section

Name or Alias *

Friendly Url path * (for codeproject.com/Members/**my-name**)

Logon email * (Newsletter and forum messages sent here)

Article email (Messages from your article submissions sent here)

Email format Html Text

Password *

Password confirm *

Remember me so I don't have to log on again?

Your Timezone
 Are you currently in Daylight Saving Time?

Your image
 (Image must be smaller than 150 x 150, and less than 15 KB in size)

Account type See the [FAQ](#) for more info

Fig: 2.2.2.3: User Signup form