Software Requirements Specification

for

ITT-Lab Project

DATE: 18-9-2017

|  |  |  |
| --- | --- | --- |
| NAME | reg.no | roll no |
| KUNAL GUPTA | **150911056** | **15** |
| ADIL MAQUSOOD | **150911056** | **18** |
| RAJATH R | 150911092 | 28 |

Table of Contents

Table of Contents i

Revision History ii

1. Introduction 1
   1. Purpose 1
   2. Intended Audience 1
   3. Product Scope 1
   4. References 1
2. Overall Description 2
   1. Product Functions 2
   2. User Classes and Characteristics 2
   3. Operating Environment 2
   4. Design and Implementation Constraints 2
   5. Assumptions and Dependencies 2
3. External Interface Requirements 3
   1. User Interfaces 3
   2. Hardware Interfaces 3
   3. Software Interfaces 3
   4. Communications Interfaces 3
4. System Features 3
   1. System Feature 1 3
   2. System Feature 2 4
   3. Other Nonfunctional Requirements 4
   4. Performance Requirements There is no such performance requirement. The only requirement is that the browser supports all the latest features of web designing. 4
   5. Safety Requirements We have kept the web site as safe as required. It is designed to keep everything private and so there is no safety requirement from the user end. 4
   6. Security Requirements There is no security requirement. 4
   7. Business Rules No business rules. 4
5. Other Requirements All the requirements are already mentioned. 4

Appendix A: Glossary 4

Appendix B: Analysis Models 4

Appendix C: To Be Determined List 5

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

# Introduction

## Purpose

This provides a complete idea and picture of our website and its application in various domain. It provides all the details regarding on how the product is built.

## Intended Audience

This being an OPEN source product anyone who desires can use. This product can be used as a portfolio for developers or a developer team. They can upload the services they provide and the skillsets they poses.

## Product Scope

This website/product provides a stage to put up ones skill and experience so that when the client puts up an offer he/she gets to know about the person or the team. Freelancers could make use of this as it very essential for them to have a good and attractive portfolio.

## References

* We tend to make this website similar to boy-coy.com
* Tutorialspoint.com
* Git-hub

# Overall Description

## Product Functions

The users can upload their bio data to the website. The users can constantly keep updating their skills and experience moreover they can prioritise them too.

* Provides a platform for the users to showcase their skill.
* User can easily modify and update data.
* Attractive design layout.

## User Classes and Characteristics

This being an open source project anyone irrespective of anything can make use of this product if they desire .Developers, freelancers or a team of developers can use this to a lot of extent. This mainly has been built for them.

## Operating Environment

* OS above windows 96
* Minimum of 256 mb RAM
* Good internet connection and web browser.

## Design and Implementation Constraints

This is an open source product so it will be the responsibility of the user to modify and keep updating the details as they acquire them. This will need internet connection which sometimes may not be possible.

Hosting of this may cost money which will have to be burdened by the users. Once deployed we don’t provide any kind of service so security and maintenance will have to be looked after by the users, which at times may be cumbersome.

## Assumptions and Dependencies

We assume that the user have good knowledge about web technology and have an internet connection. They must upload the right information.

# External Interface Requirements

## User Interfaces

<Describe the logical characteristics of each interface between the software product and the users. This may include sample screen images, any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on. Define the software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>

## Hardware Interfaces

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

## Software Interfaces

<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>

## Communications Interfaces

<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

# System Features

## System Feature 1

4.1.1 Description and Priority

This website is mainly based on the features responsiveness and parallax scrolling. It can viewed on any device be it PC or mobile. The webpage adapts according to the platform it is being viewed on. On PC, it will give extra animations which will be featured in parallax scrolling.

4.1.2 Stimulus/Response Sequences

If the user tries to change the screen size or window size, the response of the webpage will be that it will adapt to that screen width and height and still be fully functional. When the user tries to scroll the web page will change sections automatically and extra scrolling will not take effect.

4.1.3 Functional Requirements

The only function requirement other than Operating Environment is that the browser should support all the latest features of HTML5, CSS3,Javascript and Bootstrap.

## System Feature 2

This software will enable individual and group developers to share something which they want to. They can share their bios, achievements, work experience and even projects. This can be used by any developer across the world.

## Other Nonfunctional Requirements

## Performance Requirements There is no such performance requirement. The only requirement is that the browser supports all the latest features of web designing.

## Safety Requirements We have kept the web site as safe as required. It is designed to keep everything private and so there is no safety requirement from the user end.

## Security Requirements There is no security requirement.

## Business Rules No business rules.

# Other Requirements All the requirements are already mentioned.

Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

Appendix B: Analysis Models

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>

Appendix C: To Be Determined List

<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>