PERSONAL PORTFOLIO WEBSITE

CS 258 SOFTWARE ENGINEERING

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The following annotated document is complete Software Requirements Specification (SRS) software of the assignment of CS 258.

Acknowledgements:

Sections of this document are based on the IEEE Guide to Software Requirements Specification (ANSI/IEEE Std. 830-1984). The SRS templates of Dr. Orest Pilskalns (WSU, Vancouver) and Jack Hagemeister (WSU, Pullman) have also been used as guides in developing this.

Document Approval

The following Software Requirements Specification has been accepted and approved by the following:

Signature	Printed Name	Title	Date

PERSONAL PORTFOLIO WEBSITE

Software Requirements Specification

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1. Introduction

This document seeks to provide the software requirements specifications for the website.

1.1 Purpose

The purpose of this document is to record the requirements for the design and development of this personal portfolio website (dynamic) for the client. There may be a need for future updates of the website. The document reflects the current requirements of the project as understood by the project team. This document presents an initial description of the various functionalities and services provided by the software.The document will also serve the basis for acceptance testing by the user.

1.2 Intended Audience and Reading Suggestions

Primary readers of this document are the web designers contributing to and testing of this portfolio website.
Contributors to this document are students of the Computer Science Branch of IIT INDORE. This has been implemented under the guidance of college professors.

1.3 Scope

The scope of this project is to ease the user who is trying to get the information of the client. This site is created with the help of the Django framework using its SQLite3 database. Above all, we hope to provide comfortable user experience along with ease for the admin to update information.

1.4 Definitions,Acronyms, and Abbreviations

1. User: The person or persons, who will use this website to get information about the client.
2. Client: The client of this website is Dr Puneet Gupta.

1.5 References

1. http://people.iiti.ac.in/~vbhatia/
2. http://people.iiti.ac.in/~akranti/

We have referred to above two links which are portfolio websites for Dr Vimal Bhatia and Dr Abhinav Kranti of IIT Indore.
Website of IIT INDORE: www.iiti.ac.in is used to get data about client's research and publications.

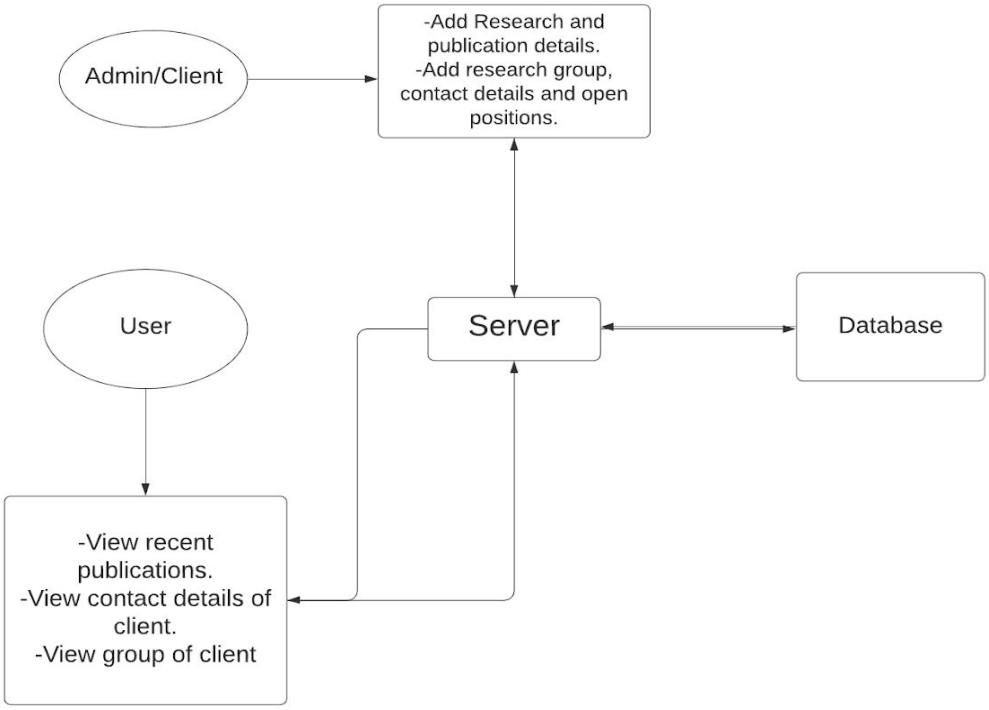
Data about client is taken from: http://www.iiti.ac.in/people/~puneet/
This link is used for other details such as contact, education of the client

2. General Description

This section describes the functions, aims and objectives of the project. It also includes the constraints and requirements of the project.

2.1 Product Perspective

The product is supposed to be a website available for everyone who wants to access details about our client. The site provides a simple mechanism for users to know about the client such as his education, experience, achievements, publications and contact details.



Database Diagram

2.2 User Characteristics

Users will just need an internet connection and have the basic idea of accessing the site. The administrator is expected to be familiar with the interface of the tech support system.

2.3 Product Features

The Client will be able to add/update information. Users can get informed about open positions, new publications or addition of a new member in the lab(group).

3. Specific Requirements

This section of SRS will provide information about how we are going to build the portfolio website.

3.1 External Interface Requirements

3.1.1 User Interface

The website should work and be tested against IE, Firefox, Google Chrome and Netscape.

HTML, CSS for creating front end.

Python will be used to add functionality.

Django for creating backend.

3.1.2 Software Interfaces:

1. Django version 3.0.6
2. Sqlite version 3.8.3
3. Bootstrap version 3.3.7

3.1.3 Communication interface:

This website can be accessed by using any kind of internet browser for e.g. Google Chrome, Microsoft age and all operating systems such as windows, macOS for website.

3.2 Functional requirements

There are no special functional requirements.

Very obvious: Internet connection.

3.3 Non Functional requirements

3.3.1 Performance:

It will be compatible with every browser and OS. The website should be hosted on a server that can provide adequate response time. The current college website (www.iiti.ac.in) is a good example of rapid response time.

- 16-bit computer.
- Minimum 5 gb HDD.
- Pentium III processor, 500 MHZ.
- Minimum 256 mb ram.

3.3.2 Safety requirements:

There are no special safety requirements.

3.3.3 Software Quality Attributes

3.3.3.1 Availability:

This website will run 24x7. Server will be down when the client needs to update any feature shown on the website.

3.3.3.2 Reliability:

The capability to maintain the specific level of performance is known as reliability. This website will run in any web browser.

3.3.3.3 Maintainability: Maintenance is one form of change that typically is done after the software development has been completed. It revolves around the understanding of the existing software and the effects of the change. This application needs timely updation of the information table of the database by the admin. Any other feature as per the requirement can be added any time by the admin.

3.3.4 Security Requirements:

Credentials of the server will not be seen by the user by any means and ones who are developing won't reveal this either.