|  |  |
| --- | --- |
| A picture of a winding road and trees  Ideal BOOK SHELF  Project Requirement Specification | Margi Shah (30105730)  Vineet Man Singh(30105923)  Naseer |

Contents

[Introduction 2](#_Toc353530834)

[a. Project overview 2](#_Toc353530835)

[b. Project deliverables 2](#_Toc353530836)

[c. References 2](#_Toc353530837)

[d. Definitions and Acronyms 3](#_Toc353530838)

[Definitions 3](#_Toc353530839)

[Acronyms 3](#_Toc353530840)

[Project Organisation 3](#_Toc353530841)

[Project Milestones 3](#_Toc353530842)

[Organisational Structure 4](#_Toc353530843)

[Project responsibilities 4](#_Toc353530845)

[Assumptions and constraints (if any) 5](#_Toc353530846)

[Monitoring and controlling mechanism 5](#_Toc353530847)

[Communication Management Plan 5](#_Toc353530848)

[Meeting- How often? Where? 5](#_Toc353530849)

[Conflict resolution 5](#_Toc353530850)

[Risk Management Plan 6](#_Toc353530851)

[Work Breakdown Structure (WBS) 6](#_Toc353530852)

# Introduction

## a. Project overview

This project is about design and development of the website. This is a document contains the information about how we are going to develop the website, purpose and the scope of the website, authoring tools, and developing language. The main purpose of our website (project) called “Ideal Book Shelf” is to share things such as books with the friends and neighbours. Our web application consists of several major components such as registration for the user, creating a circle of family and friends, listing items (landing as well as borrowing items).Our web application should containing PHP 5-OO Design, My SQL, JavaScript, CSS and HTML.

## b. Project deliverables

The deliverables on a project are the specific work products that we have to produce in order to complete the project. The deliverables for this project includes Architectural structural design, sample prototype(web pages) database design and implementation, coding for user registration, login, and creating a circle, coding for lending, borrowing and all other remaining sections, web testing with test cases, project demonstration and presentation to the class.

## c. References

Matt. (2009, march 20). *DEFINE THE DELIVERABLES ON YOUR PROJECTS*. Retrieved from what's Best Next: http://www.whatsbestnext.com/2009/03/define-the-deliverables-on-your-projects/

<http://www.w3schools.com/>

Mark Piscopo. Work Breakdown Structure (WBS). Retrieved from <http://www.projectmanagementdocs.com/template/Work-Breakdown-Structure.pdf>

## d. Definitions and Acronyms

### Definitions

1. PHP - PHP is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

2. SQL- SQL is a standard language for accessing databases.

3. JavaScript- JavaScript is THE scripting language of the Web. JavaScript is used in billions of Web pages to add functionality, validate forms, communicate with the server, and much more.

4. CSS- We can use CSS to control the style and layout of multiple Web pages all at once.

5. HTML- With HTML we can create our own Web site.

### Acronyms

1. PHP - Hypertext Pre-processor
2. SQL - Structured Query Language
3. CSS - Cascading Style Sheets
4. HTML – Hyper Text Mark-up Language

# Project Organisation

## Project Milestones

Milestone is a point of duration in a project that shows an important achievement in a project. So we should place several milestones in our schedule at planning time, estimate their completion date with the actual completion date.

In our project we are doing several tasks, for that we can take it as milestones and estimate their completion date.

Architectural structural design will submit in week 5

Database design and implementation will submit in week 6

Sample prototype will submit in week 7

Coding-user registration, login, creating circle will be done in week 8

Web testing with test cases will be done in week 9

Project demonstration and presentation to the class will be done in week 10.

## Organisational Structure

Project Manger

Designer Developer

# 

Programmer Database

Manger

# Project responsibilities

Project has only 3 working members so, the responsibilities will be equally divided among the team members.

|  |  |
| --- | --- |
| Roles | Team member |
| Project manager | Margi Shah |
| Designer | Margi Shah |
| Programmer | Vineet Man Singh |
| Tester | Waqas |
| Database manager | Waqas |

Project manager – Project manager is responsible for ensuring that the project is completed before deadline. Project manager should manage the team members and avoid team conflict.

Designer – Designer is responsible of how the project should look and feel. Designer looks after overall structure of the website.

Programmer – Programmer is responsible of actual coding of the website and managing the technical portion of the project.

Tester – Tester is responsible of making test packs and testing for any error in the deliverables

Database manager – Database manager is responsible of creating database for the website and maintaining it.

# Assumptions and constraints (if any)

There is no certainty in our project and we will be facing a lot of problems during this whole project.

So, one factor that would affect our project from moving further is that our team members are very busy student. So, there is a huge chance that some of the member might miss classes or might be behind on their particular task. So, this could be a huge constraint for our project.

# Monitoring and controlling mechanism

Before the submission of any deliverables, they are to be checked by project managers.

Requirements control:

Project manager checks for all the requirements for particular deliverables. A checklist is made for the deliverables and its requirements.

Quality control:

It is necessary to control the quality of all the deliverables. Project manager ensures that all the deliverables that are to be submitted meet the standards. Any major change to deliverables means that the version number should be changed. Project manager should document all the versioning and changes.

# Communication Management Plan

## Meeting- How often? Where?

There is going to be weekly team meeting on class time. Apart from the class time team meeting, team members will be meeting outside class time on biweekly basis.

Team meetings are held in class time. So, it will be in Latrobe St. ATMC building. Outside class meeting will be held in tea room.

## Conflict resolution

Any team member conflict will be reported to the Project manager. Project manager is required to resolve the conflict through brainstorming and reasoning.

# Risk Management Plan

There are lots of risks involved in projects that hamper the progress. This project is no exception. There are risks from small to big.

1. Lack of knowledge about tools used – This might slow down the production speed of our team members. So, it is required by every team member to discuss about the problems they encounter when working on their tasks.
2. Low attendance of members – Since there is a high chance that team members might not attend meetings. It is highly encouraged that they communicate with other team members and manager.
3. Not finishing the task before deadline – If the tasks are not finished before deadline, it slows down the whole process for the whole team. So, project managers are required to keep updated on progress of team member on each tasks.

# Work Breakdown Structure (WBS)

**1 Initiation**

1.1 Project Requirements Specification

**2 Design**

2.1 Architectural structural design

2.2 Database Design

2.3 Sample Prototype

**3 Execution**

3.1 Programming

3.2 Testing

**4 Finalization**

4.1 Project demonstration/ Presentation

4.2 User Manual

4.3 Peer Review