

1. Introduction

This Software Requirements Specification (SRS) document outlines the requirements for the Project Management and Resource Tracking web application. The primary objective of this application is to track project stages from requirements analysis to delivery, provide developers with project visibility and reporting capabilities, and help the leadership team determine the workload of each resource and manage project assignments.

2. Scope

The scope of this SRS covers the following functionalities for the web application:

- 2.1 Project Stage Tracking
- 2.2 Developer Assignment by Leadership Team
- 2.3 Developer Profiles
- 2.4 Developer Project Visibility
- 2.5 Developer Weekly Reporting
- 2.6 Leadership Team Reporting
- 2.7 Resource Workload Analysis
- 2.8 Extended Project Details

3. Functional Requirements

3.1 Project Stage Tracking

The application will track the following project stages:

- 1. Requirements gathering
- 2. Requirements Analysis

3. Wireframes
4. Review by Product Owner
5. Dev hand-off
6. Final QA
7. Deployment in Production
8. UAT
9. Launching

3.2 Developer Assignment by Leadership Team

When the project status is at the "Dev Hand-Off" stage, the application will prompt the leadership team members to assign developers to the project with their respective roles. The roles include:

1. Backend
2. QA Lead
3. QA
4. Frontend
5. Full Stack
6. Mobile App
7. DevOps
8. Backend Lead
9. Frontend Lead
10. DevOps Lead
11. General Lead

The leadership team members will have access to the Developer Assignment functionality to allocate developers effectively to projects based on their roles, expertise, and availability.

3.3 Developer Profiles

The application will include a Developer Profiles feature, allowing developers to create and maintain their profiles with relevant information about their skills and expertise.

The leadership team will use this information for the effective assignment of developers to projects.

- Name
- Employee ID
- Contact information (email, phone number)
- Profile picture (optional)
- Expertise
- List of technologies they are proficient in and their level of expertise.
 - Beginner
 - Mid
 - Intermediate
 - Advanced
 - Expert
- Brief description of past projects and accomplishments

3.4 Developer Project Visibility

The application will provide developers with varying levels of visibility for projects.

This functionality will enable developers to view all projects within the organization and the specific projects they are involved in.

3.5 Developer Weekly Reporting

In the developer's panel, they will see the projects assigned to them. Developers are required to submit a weekly report detailing the tasks completed during the week.

3.6 Leadership Team Reporting

The leadership team will have access to the following reports:

1. Developer involvement in projects
2. Project timelines
3. Weekly project-wise task reports submitted by developers

~~3.7 Resource Workload Analysis~~

~~The application will provide a workload analysis report that shows the workload of each developer across all projects. This will enable the leadership team to allocate resources and balance workloads effectively.~~

3.8 Extended Project Details

The application will include additional project details to provide better context and facilitate communication among team members, customers, and stakeholders.

Information

1. Project name
2. Spoc Client
 - a. Name, mobile number, email address
3. Spoc Miaki
 - a. Name, Mobile number, email address
4. Customer Name
 - a. Example: Robi
5. SRS
 - a. Format: PDF
6. UI/UX
 - a. Link

- 7. Repo
 - a. Link
- 8. Timeline
 - a. Nullable
- 9. Remarks

4. Non-Functional Requirements

4.1 Usability

4.2 Security

4.3 Scalability

4.4 Performance

5. Constraints

5.1 Technology Stack

5.2 Budget

5.3 Timeframe