

MINI PROJECT

CHARITY AND ONLINE DONATION WEBSITE

Team 9

Rohith Vedantam - PES2UG21CS437

Sahil Kamte - PES2UG21CS453

Shashank K N - PES2UG21CS490

Suprith M P - PES2UG22CS823

Project Plan Document

1: Identify the lifecycle to be followed for the execution of your project and justify why you have chosen the model.

The identified model is **Waterfall** model.

Justification:

Clear Requirements:

The Waterfall model is best suited when project requirements are well-defined and unlikely to change significantly.

Risk Management:

The Waterfall model helps identify and address potential risks early in the project lifecycle. This is crucial in a financial platform where security and data integrity are of great importance.

Document-Driven:

Waterfall emphasizes documentation at each stage, making it easier to maintain a record of project decisions, requirements, and design choices.

Client and Stakeholder Involvement:

Waterfall encourages client/stakeholder involvement in the early stages to ensure their expectations are met.

Quality Assurance:

The testing phase in Waterfall ensures that the website is thoroughly tested before deployment, reducing the risk of critical issues.

2: Identify the tools which u want to use it throughout the lifecycle like planning tool, design tool , version control, development tool, bug tracking, testing tool.

Planning Tool:

Trello:Trello is a user-friendly project management tool that can help you create and manage tasks, set priorities, and collaborate with team members

Design tool:

Canvas:Canvas is a tool for designing user interfaces (UI) and user experiences (UX).

Version Control:

Git: Git is a widely used version control system that allows for collaborative development, code tracking, and easy branching and merging.

Development tools:

Visual Studio Code: Visual Studio Code (VS Code) is a popular code editor with a wide range of extensions that can enhance development productivity. It supports various programming languages and offers features like debugging and code navigation.

Bug Tracking:

Jira: Jira is a comprehensive issue and project tracking tool that can be used for bug tracking, task management, and project management.

Testing Tools:

Selenium: Selenium is an open-source testing framework for web applications. It allows you to automate browser interactions, ensuring the functionality of your online donation website.

3: Determine all the deliverables and categorise them as reuse/build components and justify the Same.

Project Requirements Document:

Category: Reusable

Justification: The project requirements document outlines the overall project scope, objectives, and functional requirements. It serves as a reference for future projects and can be reused to guide similar initiatives.

Database Schema:

Category: Reusable

Justification: A well-designed database schema can serve as a foundation for future projects or enhancements to the website. Reusing it can save time and effort in database development.

Source Code:

Category: Reusable

Justification: The source code contains reusable components such as coding patterns, libraries, and modules. These can be valuable for future projects, reducing development time and ensuring consistency.

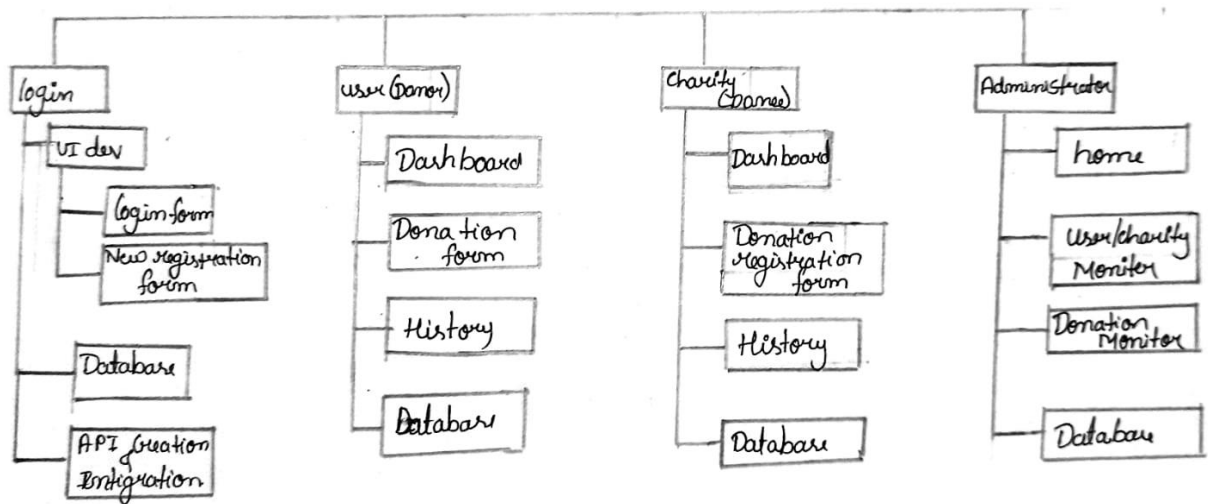
Website Design Assets (Graphics, CSS Styles):

Category: Reusable

Justification: Design assets like logos, graphics, and CSS styles can be reused for branding and maintaining a consistent visual identity across multiple projects or website updates.

4: A WBS for the entire functionalities in detail.

Charity and online donation website



5: A rough estimation of effort required to accomplish each task in terms of person months.

We are using Organic model , appox 3000 lines of code

$$\text{Effort} = 2.4 * 3^{1.05} = 7.6 \text{ person month}$$

6: The Gantt Chart for scheduling .

GANTT CHART CHARITY AND ONLINE DONATION WEBSITE

