Project Analysis, Design, and Development

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**System Vision Document (SVD)**

**Analysis models:**

The "Analysis Model" is a crucial stage in the system development process that provides a structured approach to understanding, designing, and implementing a system. The Analysis of the Proposed System phase helps evaluate the system and identify areas for improvement. An "Architectural Diagram" and "Data Flow Diagram (DFD)" helps to provide visual representations of the system's structure and data flow. "Activity Diagrams" are used for complex workflow modeling, all while considering Agile's iterative environment & nature. "Stakeholder Analysis Matrix" guides the process by understanding stakeholder needs. "Requirements Elicitation" is a pivotal step to capture functional and non-functional requirements, feeding into "Product Backlogs" that prioritize work in Agile. "Sprint Planning and Schedules" keep the project on track, while a "Work Breakdown Structure (WBS)" may help in further task breakdown. Lastly, "UX/UI Design" with "Wireframes, Prototypes, and Mock-ups" ensures user-friendly and visually appealing interfaces, embracing the Agile approach for iterative improvement throughout the development lifecycle.

User story

|  |  |  |  |
| --- | --- | --- | --- |
| User Story no | As a | I want to | So that |
| 1 | Customer/Visitor | To access the product catalog | find information about available products |
| 2 | Customer/Visitor | To see the website navigation | easily move around the website |
| 3 | Customer/Visitor | To access the office hours | know when the office is open |
| 4 | Customer/Visitor | To access to our services page | learn about the services offered |
| 5 | Customer/Visitor | To access the counselling page | get support and guidance |
| 6 | Customer | To access accommodation request access | request accommodation when needed |
| 7 | Customer/Visitor | To access accommodation listings | see available accommodation options |
| 8 | Customer/Visitor | To access about us | learn about the organization and its mission |
| 9 | Customer/Visitor | To contact administrator | get in touch with the website administrator |

Use Case diagrams

Below is the use case diagram for our website

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**Requirements Elicitation**

**Development Phase**

Design Models:

The app of eMover is designed as such it meets the six design principles of visibility, feedback, constraints, mapping, consistency, and affordance. It is simple and easy to use. Anyone with fair and basic knowledge of computers can use it without having any difficulties. It is user friendly and easy to understand. So, people of all age groups can use it.

The basic inteA screenshot of a website

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**Stakeholder Matrix:**