Software Project Plan - Borrow Box

CS3009 - Software Engineering - Spring 2025

Software Project Plan Project: Borrow Box - A Peer-to-Peer Product Rental Platform

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Software Project Plan - Borrow Box 1.

Work Breakdown Structure (WBS)

Level 1: Borrow Box Development Lifecycle

1.0 Requirements Phase

1.1 Requirements Gathering

1.2 SRS Documentation

1.3 Functional & Non-Functional Requirement Analysis

1.4 Product Backlog Creation

1.5 Trello Board Initialization and Task Assignment

2.0 Design Phase

2.1 UI/UX Design - Login, Register, Navigation, Footer

2.2 Wireframes for product views and interactions

2.3 UML Diagrams - Use Case Diagram - Sequence Diagrams - Class Diagram - Package Diagram

2.4 System Architecture and Deployment Planning

3.0 Sprint 1: Core Functional Development

3.1 User Registration and Login

3.2 User Profile Management

3.3 Session Handling and Auth Guard

3.4 Sprint 1 Backlog Implementation and Review

4.0 Sprint 2: Product and Dashboard Modules

4.1 Product Listing and CRUD (Create, Read, Update, Delete)

4.2 Product Search and Filtering

4.3 Admin Dashboard Software Project Plan - Borrow Box

4.4 Sprint 2 Backlog Implementation and Review

5.0 Sprint 3: Testing and Finalization

5.1 Black Box Testing - Equivalence Partitioning and Boundary Value

5.2 White Box Testing - Code Coverage and Unit Analysis

5.3 Final Bug Fixes and UX Enhancements

5.4 Final Deployment and Feature Lock

GANTT CHART

	Task	Start Date	End Date	Duration (days)
2	Requirements Gathering	14-Feb-25	16-Feb-25	2
3	SRS Documentation	17-Feb-25	18-Feb-25	1
4	Backlog & Trello Setup	19-Feb-25	20-Feb-25	1
5	UI/UX Design	21-Feb-25	22-Feb-25	1
6	UML & Architecture Design	23-Feb-25	24-Feb-25	1
7	Sprint 1 - Auth Module	25-Feb-25	27-Feb-25	2
8	Sprint 2 - Product Dashboard	7-Mar-25	21-Mar-25	13
9	Sprint 3 - Testing & Finalize	11-Apr-25	20-Apr-25	9
10	Final Deployment	21-Apr-25	28-Apr-25	7

Link: Gantt_Chart_Project_Timeline.xlsx