

SOFTWARE PROJECT PLAN

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Work Breakdown Structure

1. Project Initialization

- 1.1 Define project scope and objectives**
- 1.2 Set up development environment**
- 1.3 Establish team roles and responsibilities**

2. Requirements Elicitation

- 2.1 Identify functional requirements**
- 2.2 Identify non-functional requirements**
- 2.3 Create user stories**

3. System Design

- 3.1 Design system architecture**
- 3.2 Create UML diagrams**
- 3.3 Define database schema**

4. Development

- 4.1 Set up backend server**
- 4.2 Develop user authentication**
- 4.3 Implement item management**
- 4.4 Develop search and filtering functionality**
- 4.5 Implement item claiming and notifications**

5. Testing

- 5.1 Create black-box test cases**
- 5.2 Create white-box test cases**
- 5.3 Execute tests and generate reports**

6. Documentation

- 6.1 Create project report**
- 6.2 Prepare presentation**
- 6.3 Document code and architecture**

7. Deployment

- 7.1 Set up production environment**
- 7.2 Deploy application**
- 7.3 Monitor and maintain**

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