

# Project Plan

## Individual Assignment

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# 1 Project Definition

## 1.1 Project Background

The **AniX** project aims to create a centralized platform for anime enthusiasts. It will feature a website for users to explore trailers, read detailed descriptions, and share reviews. Additionally, an admin application will be developed for CRUD operations and review management.

## 1.2 Project Goal

The objective is to provide a comprehensive experience for anime fans, offering curated content and a community-driven review system.

## 1.3 Constraints (WIP)

The project will utilize C#, .NET Core, Windows Forms for the admin application, and ASP.NET Core Razor Pages for the website. The database will be MSSQL.

## 2 Risk Assessment

Risk Category	Risk Description	Mitigation Strategy	Probability	Impact	Priority
Technical	Misinterpretation of project requirements	Detailed URS and frequent reviews	Unlikely	Harmful	High
Technical	Technical difficulties with chosen tech stack	Pre-emptive tech stack validation	Unlikely	Harmful	High
Technical	Database corruption or loss	Regular backups and redundancy	Rare	Critical	High
Technical	Inadequate system performance	Performance testing and optimization	Likely	Moderate	Medium
Managerial	Inadequate communication with stakeholders	Regular updates and meetings	Unlikely	Harmful	High
Managerial	Poor time management	Agile methodology and sprints	Likely	Harmful	High
Managerial	Scope creep	Strict change control process	Likely	Moderate	Medium
Managerial	Inadequate resource allocation	Detailed project plan and resource leveling	Unlikely	Moderate	Medium
External	Regulatory changes affecting the project	Legal consultation and compliance checks	Rare	Critical	Low
External	Third-party service failures (e.g., hosting)	Service level agreements and backup services	Rare	Moderate	Low
External	Cybersecurity threats	Regular security audits and updates	Unlikely	Critical	High

## 3 Deliverables

### 3.1 Deliverables

#### 1. *Website*

- Main Page
- Content Page
- Account Page
- Filtered Page

#### 2. *Admin Application*

- Login System
- CRUD Operations for Anime
- Review Management

#### 3. *Database*

#### 4. *Documentation*

- Test Plan
- URS
- Project Plan

### 3.2 Non-Deliverables

#### 1. *Real-time chat*

#### 2. *Mobile Application*

## 4 Phasing

### Week 1: Documentation, Research, and Prototyping

- Day 1-3: Research technologies and best practices
- Day 4-5: Draft initial documentation (URS, Project Plan)
- Day 6-7: Create initial prototypes in Figma

### Week 2: Finalize Documentation and Prototyping

- Day 1-2: Finalize URS and Project Plan
- Day 3-4: Complete and review prototypes
- Day 5-7: Prepare for development phase, set up dev environment

### Week 3: Basic UI Development

- Day 1: Set up the development environment for Razor Pages
- Day 2: Create the layout and basic navigation for the website
- Day 3: Implement static pages (About Us, Contact, etc.)
- Day 4: Start WinForms app development, set up the main form
- Day 5: Implement login form in WinForms
- Day 6-7: Review and adjust based on progress

### Week 4: Feedback and Documentation Update

- Day 1-2: Collect feedback on documentation and prototypes
- Day 3-4: Update documentation based on feedback
- Day 5-7: Prepare for next development phase

### Week 5: Initial Implementation

- Day 1-2: Start building basic features for both the website and WinForms app
- Day 3-4: Implement user registration on the website
- Day 5-7: Implement anime listing on the website

### Week 6: Database and Features

- Day 1-2: Build the database schema
- Day 3-4: Implement database connectivity in both the website and WinForms app
- Day 5-7: Start implementing required features (reviews, CRUD operations)

#### Week 7: Database Integration

- Day 1-3: Integrate database with the website
- Day 4-7: Integrate database with the WinForms app

#### Week 8: Profile and Post Pages

- Day 1-4: Implement the profile page on the website
- Day 5-7: Implement a page for creating posts on the website

#### Week 9: CRUD Operations and Post Viewing

- Day 1-3: Implement CRUD operations in the WinForms app
- Day 4-7: Implement the page for viewing posts on the website

#### Week 10: Finalize CRUD Operations

- Day 1-7: Complete CRUD operations for both the profile and posts on the website

#### Week 11: Design Phase

- Day 1-7: Work on UI/UX design for both the website and WinForms app

#### Week 12: Final Design Adjustments

- Day 1-7: Finalize design and make last-minute adjustments

#### Week 13: Debugging

- Day 1-7: Debug and fix any errors in both the website and WinForms app

#### Week 14: Testing Phase

- Day 1-7: Conduct thorough testing of all features and functionalities

#### Week 15: Final Implementations

- Day 1-7: Implement any remaining features and functionalities

#### Week 16: Finalize Implementation

- Day 1-7: Finalize all implementations and prepare for final testing

#### Week 17: Final Testing

- Day 1-7: Conduct final tests and make any necessary adjustments

#### Week 18: Project Delivery

- Day 1-3: Prepare all deliverables
- Day 4-7: Review, finalize, and submit the project

## GANTT CHART

