

Assignment -1

Agile Project Planning - Create a one-page project plan for a new software feature using Agile planning techniques. Include backlog items with estimated story points and a prioritized list of user stories.

Agile Project Plan for New Software Feature: "User Profile Customization"

Project Overview

Feature Name: User Profile Customization

Objective: Enable users to customize their profiles with personal information, profile pictures, and preferences to enhance their experience and engagement on the platform.

Team: 1 Product Owner, 1 Scrum Master, 4 Developers, 2 QA Engineers

Product Backlog

User Story	Priority	Story Points	Description
As a user, I want to update my personal information on my profile,	High	8	Users can add and edit their name, email, and contact information.
As a user, I want to upload a profile picture,	High	5	Users can upload, crop, and save a profile picture.
As a user, I want to set my privacy preferences	Medium	5	Users can choose who can view their profile information.
As a user, I want to receive notifications for profile updates,	Medium	3	Users receive alerts when their profile changes are applied.
As a user, I want to customize my profile with a bio and social links,	Low	8	Users can add a bio and links to their social media accounts.
As a user, I want to view my profile changes before saving them,	Medium	5	Users can preview changes before they are saved.

As a user, I want to be able to revert changes made to my profile,	Low	5	Users can undo recent changes to their profile.
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Sprint Planning and Backlog Refinement

Sprint 1 (2 weeks)

1. **User Story:** Update Personal Information
Story Points: 8
Tasks:
 - Design form for personal info
 - Develop input validation
 - Implement backend API for saving data
2. **User Story:** Upload Profile Picture
Story Points: 5
Tasks:
 - Develop image upload and crop functionality
 - Integrate with profile API
 - Add frontend validation for image size/type

Sprint 2 (2 weeks)

1. **User Story:** Set Privacy Preferences
Story Points: 5
Tasks:
 - Design UI for privacy settings
 - Implement options for visibility settings
 - Integrate with profile management API
2. **User Story:** Receive Notifications for Profile Updates
Story Points: 3
Tasks:
 - Create notification system for profile changes
 - Develop email/notification service integration
 - Test notification triggers and responses

Sprint 3 (2 weeks)

1. **User Story:** Customize Profile with Bio and Social Links

Story Points: 8

Tasks:

- Add fields for bio and social links
- Develop form validation
- Implement API updates for additional profile data

2. **User Story:** Preview Profile Changes

Story Points: 5

Tasks:

- Implement preview mode for profile changes
- Develop frontend changes for displaying previews
- Test for different types of updates

3. **User Story:** Revert Profile Changes

Story Points: 5

Tasks:

- Create a history log for changes
- Implement undo functionalityTest for edge cases and multiple reversals

Release Plan

The new User Profile Customization feature will be released in increments over three sprints, allowing for progressive enhancement and user feedback incorporation. Each sprint will deliver functional components that can be reviewed and tested with users to ensure alignment with their needs.

Notes

- **Dependencies:** Integration with the existing user management system and notification service.
- **Risks:** Potential for user data loss if validations are not thoroughly tested.
- **Mitigations:** Conduct extensive QA testing and include rollback mechanisms in case of critical failures.