HARISH RONGALA
harishrongala123@gmail.com

Software Development Life Cycle and Agile Principles (part 3)

Agile Project Plan: New Software Feature - User Profile Picture Upload

Objective
To enhance our application by allowing users to upload profile pictures. This feature will improve user engagement and personalisation.

Backlog Items

1. Profile Picture Upload (3 story points)

* As a user, I want to upload a profile picture.

* Acceptance Criteria:

Profile page with an "Upload Picture" button.

Supported image formats (e.g., JPEG, PNG).

Image size validation (maximum 5MB).

2. Display Profile Picture (2 story points)

* As a user, I want my uploaded profile picture to display on my profile page.

* Acceptance Criteria:

a) Profile page shows the user's uploaded picture.

b) Placeholder image if no picture uploaded.

3. Edit Profile Picture (3 story points)

* As a user, I want to change my profile picture.

* Acceptance Criteria:

    a)   Edit profile page with an "Update Picture" button.

    b)   Ability to replace existing picture.

Prioritized User Stories

1. Profile Picture Upload

   a) Implement profile picture upload functionality.
   b) Validate image format and size.
   c) Store uploaded pictures securely.

2. Display Profile Picture

   a) Show user's profile picture on their profile page.
   b) Handle cases where no picture is uploaded.

3. Edit Profile Picture

   a) Allow users to update their profile picture.
   b) Ensure seamless transition from old to new picture.

Timeline

- Sprint 1 (1 week): Profile picture upload functionality.

- Sprint 2 (1 week): Display profile picture.

- Sprint 3 (1 week): Edit profile picture feature.

Risks

   a) Handling large image files efficiently.
   b) Ensuring security of uploaded pictures.

Assignment 2: Daily Standup Simulation - Write a script for a Daily Standup meeting for a development team working on the software feature from Assignment 1. Address a common challenge and incorporate a solution into the communication flow.

Daily Stand-Up Meeting - Project: User Profile Picture Upload

Team Members:

1. Daniel (Product Owner)
2. Emily (Scrum Master)
3. Alex (Developer)
4. Lily (Tester)

1. Daniel (Product Owner):

➢ Reviewed the initial design for profile picture upload.

➢ Gathered feedback from stakeholders.

2. Emily (Scrum Master):

➢ Conducted research on image processing libraries.

➢ Explored security considerations for uploaded images.

3. Alex (Developer):

➢ Set up the basic file upload functionality.

➢ Validated image formats and size limits.

4. Lily (Tester):

➢ Created test cases for profile picture upload.

➢ Started manual testing.

Challenges:

1. Daniel (Product Owner):

➢ None at the moment.

2. Emily (Scrum Master):

➢ Concerned about potential performance issues with large image files.

3. Alex (Developer):

➢ Struggling with handling image resizing for different display sizes.

4. Lily(Tester):

➢ None currently, but will keep an eye out during testing.