Exercise 5B Date:

# Simulate the life cycle stages for UI design using the RAD model and develop a small interactive interface using OpenProj

#### AIM:

The aim is to recreate the lifecycle stages of UI design using the RAD model and design a small interactive interface with OpenProj

#### **PROCEDURE:**

Tool Link: https://sourceforge.net/projects/openproj/

# **Step 1: Requirements Planning**

# 1. Gather Requirements:

- Identify key features and functionalities needed for your interface.
- Example: A simple "Login" and "Register" interface with debug logs.

## 2. Define Use Cases:

- Specify use cases for user login and registration.
- Example: User logs in with valid credentials, user registers with a new account.

## **Output in OpenProj**:

- Create a new project.
- Add tasks: "Gather Requirements" and "Define Use Cases."
- Set durations and dependencies for each task.

## **Step 2: User Design**

## 1. Sketch Initial Designs:

• Draw rough sketches of the "Login" and "Register" screens on paper.

## 2. Create Digital Wireframes:

• Use a tool like Figma or Sketch to create digital wireframes.

# **Example Wireframes:**

- 1. Login Screen: Username field, Password field, Login button, Register link.
- 2. Register Screen: Username field, Email field, Password field, Confirm Password field, Register button.

## Output in OpenProj:

- Add tasks: "Sketch Initial Designs" and "Create Digital Wireframes."
- Allocate time and resources to complete these tasks.

# **Step 3: Rapid Prototyping**

## 1. Develop Prototypes:

• Use a tool like Axure RP to convert wireframes into interactive prototypes.

# 2. Test Prototypes:

- Share prototypes with stakeholders for feedback.
- Collect feedback and iterate on the design.

## Output:

• Interactive prototypes for "Login" and "Register" screens.

## Output in OpenProj:

- Add tasks: "Develop Prototypes" and "Test Prototypes."
- Set dependencies and milestones.

## **Step 4: User Acceptance/Testing**

## 1. Review Prototype:

o Conduct user and stakeholder reviews.

# 2. Conduct Usability Testing:

o Perform usability testing and document feedback.

# **Output**:

• Documented feedback and test results.

# Output in OpenProj:

- Add tasks: "Review Prototype" and "Usability Testing."
- Track progress and resources.

# **Step 5: Implementation**

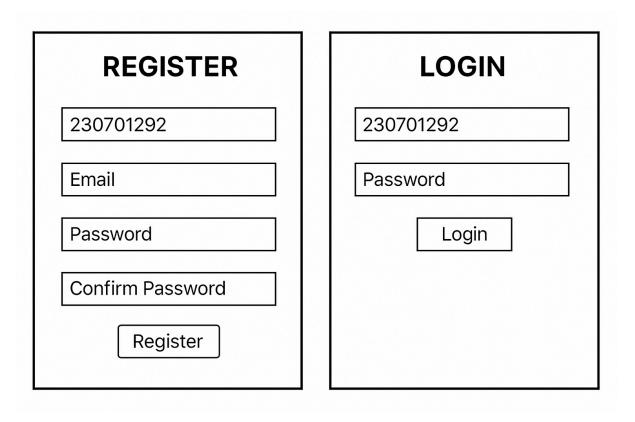
# 1. Develop Functional Interface:

• Implement final designs and functionalities based on feedback.

# 2. Integrate Backend (if required):

• Connect the UI with backend services for tasks like user authentication.

## **OUTPUT:**



## **RESULT:**

Hence the life cycle stages for UI design using the RAD model and develop a small interactive interface using OpenProj is implemented and executed.