

**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:**

- Conduct user and stakeholder reviews.

## **2. Conduct Usability Testing:**

- 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:

**REGISTER**

230701387

Email

Password

Confirm Password

Register

**LOGIN**

230701387

Password

Login

## 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.