

**RAJALAKSHMI ENGINEERING COLLEGE**  
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**ENGINEERING COLLEGE**

<p><b>CS23A34</b> <b>USER INTERFACE AND DESIGN LAB</b></p>
<p><b>Laboratory Observation Notebook</b></p>

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# **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:**

### **Step 1: Requirements Planning**

- **Gather Requirements:**
  - Identify key features and functionalities needed for your interface.
  - Example: A simple "Login" and "Register" interface with debug logs.
- **Define Use Cases:**
  - Specify use cases for user login and registration.
  - Example: User logs in with valid credentials, user registers with a new account.

### **Step 2: User Design**

- **Sketch Initial Designs:**
  - Draw rough sketches of the "Login" and "Register" screens on paper.
- **Create Digital Wireframes:**
  - Use a tool like Figma or Sketch to create digital wireframes.

## **Example Wireframes:**

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

### **Step 3: Rapid Prototyping**

- **Develop Prototypes:**
  - Use a tool like Axure RP to convert wireframes into interactive prototypes.
- **Test Prototypes:**
  - Share prototypes with stakeholders for feedback.
  - Collect feedback and iterate on the design.

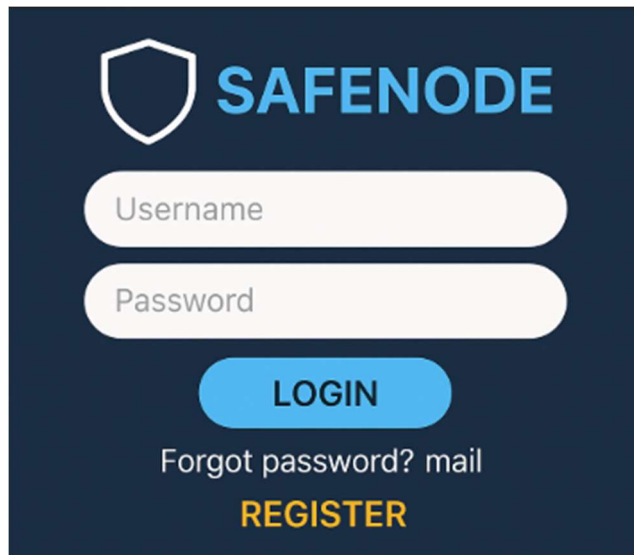
### **Step 4: User Acceptance/Testing**

- **Review Prototype:**
  - Conduct user and stakeholder reviews.
- **Conduct Usability Testing:**
  - Perform usability testing and document feedback.

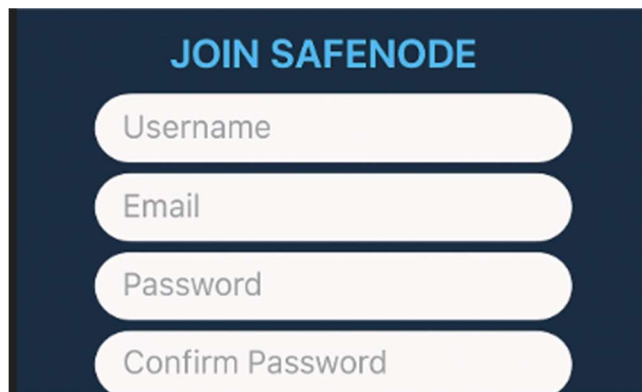
### **Step 5: Implementation**

- **Develop Functional Interface:**
  - Implement final designs and functionalities based on feedback.
- **Integrate Backend (if required):**
  - Connect the UI with backend services for tasks like user authentication.

### **Output:**



The image shows a login form for 'SAFENODE'. At the top left is a white shield icon. To its right is the word 'SAFENODE' in a bold, blue, sans-serif font. Below the icon and text are two white, rounded rectangular input fields. The first field is labeled 'Username' and the second is labeled 'Password'. Below these fields is a blue, rounded rectangular button with the word 'LOGIN' in white, uppercase letters. Under the button is the text 'Forgot password? mail' in a small, white font. At the bottom of the form is the word 'REGISTER' in a bold, yellow, sans-serif font.



The image shows a registration form for 'SAFENODE'. At the top is the text 'JOIN SAFENODE' in a bold, blue, sans-serif font. Below this text are four white, rounded rectangular input fields stacked vertically. The first field is labeled 'Username', the second is labeled 'Email', the third is labeled 'Password', and the fourth is labeled 'Confirm Password'.

## **Result:**

Hence the recreation of the lifecycle stages of UI design using the RAD model and successfully designed a small interactive interface with OpenProj.