

RAJALAKSHMI ENGINEERING COLLEGE

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RAJALAKSHMI ENGINEERING COLLEGE

CS23A34 USER INTERFACE AND DESIGN LAB
Laboratory Observation Notebook

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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 displays a mobile application interface for a secure login and registration system. The interface is divided into two main sections by a horizontal line. The top section, titled 'SECURE' with a shield icon, contains a login form with 'Username' and 'Password' input fields, a green 'LOGIN' button, and links for 'Forgot password? mail' and 'REGISTER'. The bottom section, titled 'WELCOME TO SECURE', contains a registration form with 'Username', 'Email', and 'Password' input fields, and a green 'REGISTER' button. The design is clean and modern, using a light gray background for the forms and a dark green color for the buttons.

SECURE

Username

Password

LOGIN

Forgot password? mail

REGISTER

WELCOME TO SECURE

Username

Email

Password

REGISTER

Result:

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