

RAJALAKSHMI ENGINEERING COLLEGE

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**RAJALAKSHMI
ENGINEERING COLLEGE**

<p>CS23A34 USER INTERFACE AND DESIGN LAB</p>
<p>Laboratory Observation NoteBook</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.

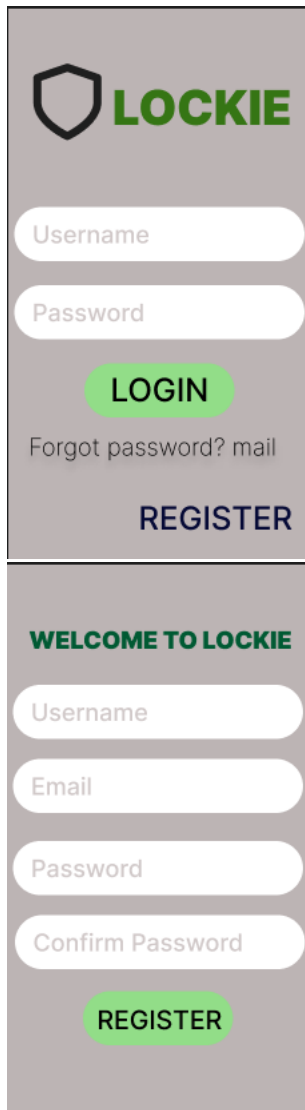
Step 4: User Acceptance/Testing

- **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 displays two vertical panels representing a mobile application interface for 'LOCKIE'. The top panel is the login screen, featuring the 'LOCKIE' logo at the top left. Below the logo are two white rounded rectangular input fields for 'Username' and 'Password'. A green rounded rectangular button with the text 'LOGIN' is positioned below the password field. Underneath the button is a link that reads 'Forgot password? mail'. At the bottom of the panel is a dark blue rounded rectangular button with the text 'REGISTER'. The bottom panel is the registration screen, starting with the heading 'WELCOME TO LOCKIE' in green. It contains four white rounded rectangular input fields for 'Username', 'Email', 'Password', and 'Confirm Password'. A green rounded rectangular button with the text 'REGISTER' is located at the bottom of this panel.

LOCKIE

Username

Password

LOGIN

Forgot password? mail

REGISTER

WELCOME TO LOCKIE

Username

Email

Password

Confirm 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.