

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

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.

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.

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.

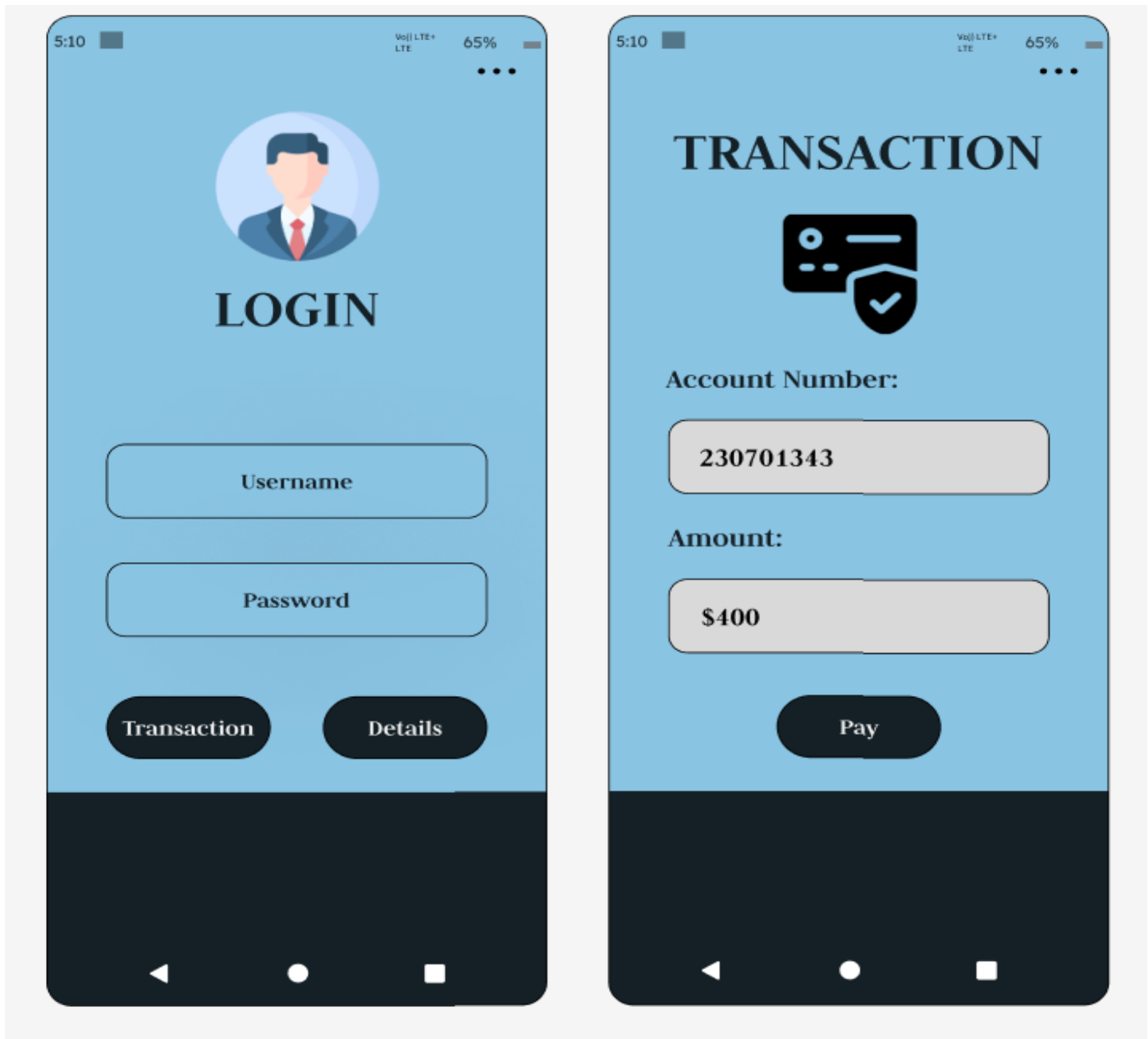
Step 4: User Acceptance/Testing

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

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