RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105

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CS23A34
USER INTERFACE AND DESIGN LAB

Laboratory Observation NoteBook

Name : VIKNESHKUMAR MN
Year/Branch/Section : II/CSE/D
Register No. : 230701382
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Ex. No. : 5b

Register No. : 230701382 **Name : Vikneshkumar MN**

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.

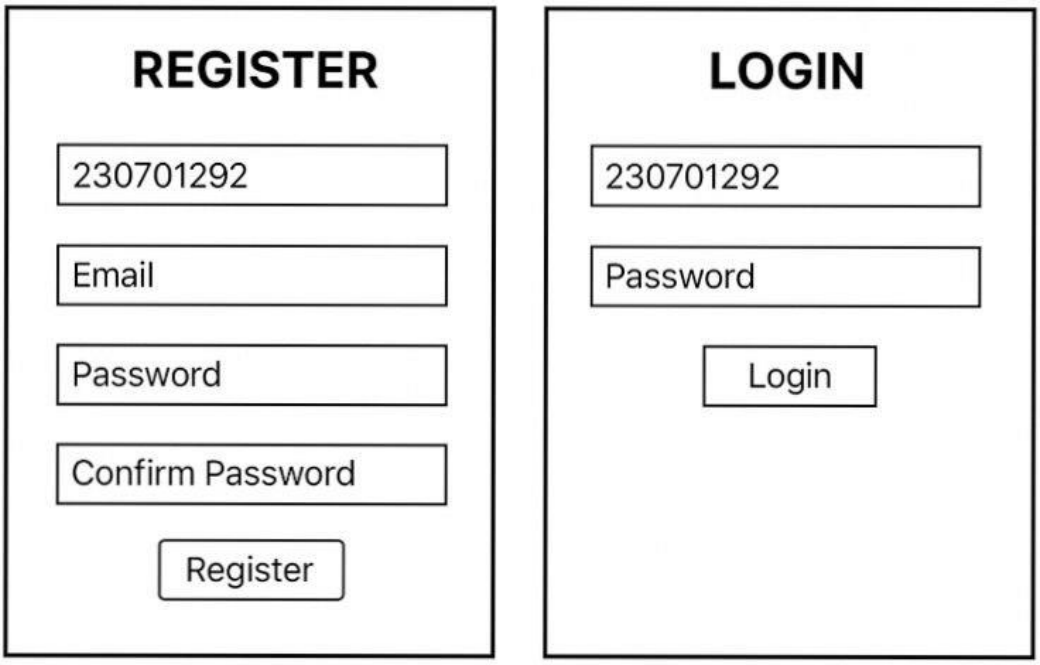
Step 4: User Acceptance/Testing

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.