

**RAJALAKSHMI ENGINEERING COLLEGE**

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**RAJALAKSHMI  
ENGINEERING COLLEGE**

**CS23A34  
USER INTERFACE AND DESIGN LAB**

**Laboratory Observation NoteBook**

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**Create a prototype with familiar and unfamiliar navigation elements. Evaluate ease of use with different user groups using proto.io**

**AIM:**

The aim is to develop a prototype incorporating both familiar and novel navigation elements and assess usability among diverse user groups using Proto.io.

**PROCEDURE:**

Tool Link: <https://proto.io/>

**Step 1: Sign Up and Log In**

1. Go to proto.io.
2. Sign up for a new account or log in if you already have one.

**Step 2: Create a New Project**

1. Click on "Create New Project."
2. Give your project a name (e.g., "Simple App Example").

3. Select the device type (e.g., Mobile - iPhone X).
4. Click "Create" to start the project.

### **Step 3: Design the Home Screen**

#### **1. Add a New Screen:**

- Click on the "+" button in the left panel to add a new screen.
- Choose "Blank" and name it "Home."

#### **2. Add Elements to the Home Screen:**

- Drag a "Header" widget from the "Widgets" panel to the top of the screen.
- Double-click the header to edit the text and change it to "Home Screen."
- Drag a "Button" widget onto the screen. Place it in the center.
- Double-click the button to edit the text and change it to "Go to Profile."

### **3. Add Interaction:**

- Select the button and click on the "Interactions" tab on the right panel.
- Click "+ Add Interaction."
- Set the trigger to "Tap/Click."
- Set the action to "Navigate to Screen" and choose "New Screen."
- Create a new screen and name it "Profile."

### **Step 4: Design the Profile Screen**

#### **1. Add Elements to the Profile Screen:**

- On the newly created Profile screen, drag a "Header" widget to the top of the screen.
- Double-click the header to edit the text and change it to "Profile Screen."
- Drag an "Image" widget onto the screen. Place it below the header.
- Double-click the image to upload a profile picture or any placeholder image.
- Drag a "Text" widget onto the screen to add some profile information (e.g., "John Doe, Software Engineer").

## **2. Add Back Button:**

- Drag a "Button" widget onto the screen.
- Double-click the button to edit the text and change it to "Back to Home."

## **3. Add Interaction:**

- Select the button and click on the "Interactions" tab on the right panel.
- Click "+ Add Interaction."
- Set the trigger to "Tap/Click."
- Set the action to "Navigate to Screen" and choose "Home."

## **Step 5: Preview the Prototype**

1. Click on the "Preview" button in the top-right corner.
2. Interact with the prototype by clicking on the buttons to navigate between the Home and Profile screens.

## **Step 6: Share the Prototype**

1. Click on the "Share" button in the top-right corner.
2. Copy the shareable link and send it to others for feedback.

## Output :

The image displays two side-by-side mobile application screens for a user sign-up process.

**Left Screen (Profile Preview):**

- Time: 10:55
- Header: A circular profile icon placeholder.
- Text: "Tejushree sanjeevikumar" (highlighted in a light blue box).
- Buttons: Three dark blue buttons with social media icons and text: "Sign up with Twitter", "Sign up with Facebook", and "Sign up with Instagram".
- Bottom: A "Skip" button.

**Right Screen (Form):**

- Time: 10:55
- Header: A dark blue bar with "Cancel", "Sign up", and "Done" options.
- Header: A circular profile icon placeholder.
- Form Fields: A series of white input fields with labels: "First name", "Last name", "Email address", "Choose password", "Birthday", "Gender", and "Phone number".
- Bottom: A link that says "Already have an account? Sign in".

## Result :

Hence, creating a prototype with familiar and unfamiliar navigation and using different user groups using prto.io has been successfully executed.