

# Experiment 1

Rollno:230701275

Name:S Sai aravind

## **Aim:**

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

## **Materials Required:**

Pencil Project, Figma.

## **Procedure:**

### **Step 1: Sign Up and Create a New Project**

1. Go to [figma.com](https://figma.com) and create an account (if you haven't already).
2. Once logged in, click "New File" to start a blank project.
3. You'll see a blank canvas where you can start designing.

### **Step 2: Create the Frame (Artboard)**

1. On the left toolbar, select the "Frame" tool (shortcut: F).

2. Choose a mobile preset (e.g., iPhone 13) from the right-hand panel.
3. A mobile-sized frame will appear on the canvas, which will act as your app screen.

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

#### **Add a Background Color:**

1. Select the frame and go to the right-side panel.
2. Under "Fill," choose a background color (e.g., light blue #E3F2FD).

#### **Insert a Logo:**

1. Click the "Rectangle" tool (shortcut: R) and draw a placeholder for a logo.
2. Use the "Text" tool (shortcut: T) to add your app name, e.g., "MyApp".
3. Adjust font size and color from the right-hand panel.

#### **Add Input Fields:**

1. Use the "Rectangle" tool to draw two boxes for username and password fields.
2. Add placeholder text inside (e.g., "Enter your email").
3. Apply rounded corners under "Corner Radius" in the right panel.

### **Add a Login Button:**

1. Create a button using the "Rectangle" tool and set the color to blue (#1E88E5).
2. Use the "Text" tool to add the text "Login" inside the button.
3. Group the button and text together by selecting them and pressing Ctrl + G (Windows) or Cmd + G (Mac).

### **Align Elements:**

1. Use the alignment tools in the top menu (center everything vertically and horizontally).
2. Adjust spacing between elements using the "Auto Layout" feature (Shift + A).

### **Step 4: Prototyping the Interaction**

1. Click the "Prototype" tab on the right panel.
2. Select the "Login" button and drag the blue dot to a new frame (e.g., a home screen).
3. Set the interaction to "On Click" → "Navigate to" the next screen.

4. Choose an animation effect (e.g., "Smart Animate").

### **Step 5: Preview the Design**

1. Click the "Play" button in the top-right corner to preview your app prototype.
2. Try clicking on the login button to see the transition to the next screen.

### **Step 6: Share Your Design**

1. Click the "Share" button in the top-right corner.
2. You can invite team members via email or generate a shareable link.
3. Adjust permissions (View, Edit, or Comment only).

### **Step 7: Export Assets**

1. Select the elements you want to export (e.g., the logo or button).
2. In the right-hand panel, click "Export" and choose a format (PNG, JPG, SVG).
3. Click "Export" to download assets for developers.

Output:

Good design

OG  
SINCE 2008

username:

password:

Login

create a new account? sign up

## Bad design

username:

Login

Password:

OG

SINCE 2008

## **Explanation:**

The first UI design (black background) is significantly better in terms of UI/UX because it follows essential design principles such as visual hierarchy, readability, and layout structure. The logo "OG" is prominently placed at the top, immediately grabbing the user's attention, while the input fields for the username and password are neatly aligned with clear labels, making navigation intuitive. The black background with white text ensures strong contrast, enhancing readability and creating a sleek, modern aesthetic. Additionally, the spacing between elements is well-balanced, allowing users to quickly locate and interact with the form without confusion. On the other hand, the second UI (purple background) suffers from poor layout choices and a lack of visual balance. The logo is placed at the bottom instead of the top, disrupting the natural flow of information. The "Login" button is positioned awkwardly to the right, making it less intuitive to find. The bright purple background, while bold, overwhelms the interface and reduces readability due to insufficient contrast with the white text. Overall, the first design is more polished, visually appealing, and user-centric, making it the superior choice for a smooth and engaging login experience.

## **Result:**

The design of prototype with familiar and unfamiliar navigation elements and Evaluating the ease of use with different user groups is successfully designed.