RAJALAKSHMI ENGINEERING COLLEGE

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CS23A34 **USER INTERFACE AND DESIGN LAB**
Laboratory Observation NoteBook

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Experiment with different layouts and color schemes for an app. Collect user feedback on aesthetics and usability using GIMP(GNU Image Manipulation Program (GIMP)

AIM:

The aim is to trial different app layouts and color schemes and evaluate user feedback on aesthetics and usability using GIMP.

PROCEDURE:

Tool Link: https://www.gimp.org/

Step 1: Install GIMP

● Download and Install: Download GIMP from GIMP Downloads and install it on your computer.

Step 2: Create a New Project

1. Open GIMP:

○ Launch the GIMP application.

2. Create a New Canvas:

○ Go to File -> New to create a new project.

○ Set the dimensions for your app layout (e.g., 1080x1920 pixels for a

standard mobile screen).

Step 3: Design the Base Layout

1. Create the Base Layout:

○ Use the Rectangle Select Tool to create sections for different parts of your app (e.g., header, content area, footer).

○ Fill these sections with basic colors using the Bucket Fill Tool.

Example Output: A base layout with defined sections for header, content, and footer.

2. Add UI Elements:

○ Text Elements: Use the Text Tool to add text elements like headers, buttons, and labels.

○ Interactive Elements: Use the Brush Tool or Shape Tools to draw buttons, input fields, and other interactive elements.

Example Output: A layout with labeled sections and basic UI elements.

3. Organize Layers:

○ Use layers to separate different UI elements. This allows you to easily modify or experiment with individual components.

○ Name each layer according to its content (e.g., Header, Button1, InputField).

Step 4: Experiment with Color Schemes

1. Create Color Variants:

○ Duplicate Layout: Duplicate the base layout by right-clicking on the image tab and selecting Duplicate.

○ Change Colors: Use the Bucket Fill Tool or Colorize Tool to change the colors of the UI elements in each duplicate.

Example Output: Multiple color variants of the same layout.

2. Save Each Variant:

○ Save each color variant as a separate file (e.g., Layout1.png, Layout2.png, etc.).

○ Go to File -> Export As and choose the file format (e.g., PNG).

Step 5: Collect User Feedback

1. Prepare a Feedback Form:

○ Create Form: Create a feedback form using tools like Google Forms or Microsoft Forms.

○ Include Questions: Include questions about the aesthetics and usability of each layout and color scheme.

2. Share the Variants:

○ Distribute Files: Share the image files of the different layouts and color schemes with your users.

○ Provide Instructions: Provide clear instructions on how to view each variant and how to fill out the feedback form.

3. Gather Feedback:

○ Collect responses from users regarding their preferences and suggestions.

○ Analyze the feedback to determine which layout and color scheme are most preferred.
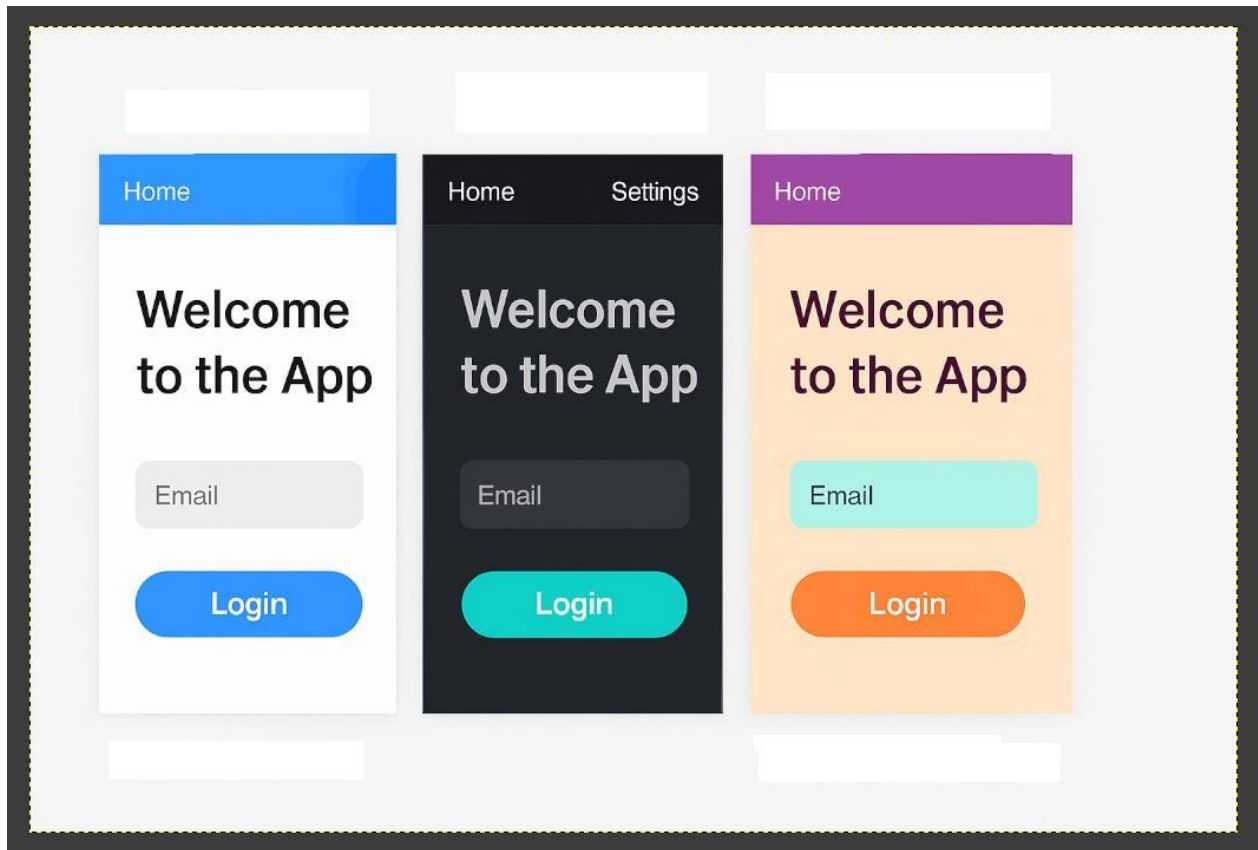
Step 6: Iterate and Refine

1. Refine the Design:

○ Based on the feedback, make necessary adjustments to the layout and color scheme.

○ Experiment with additional variations if needed.

2. Final Testing:

○ Conduct a final round of testing with the refined design to ensure usability and aesthetic satisfaction.

OUTPUT:

RESULT:

Different layouts and color schemes for an app have been experimented and user feedback on aesthetics and usability using GIMP (GNU Image Manipulation Program (GIMP) has been collected.