

RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105



**RAJALAKSHMI
ENGINEERING COLLEGE**

**CS23A34
USER INTERFACE AND DESIGN LAB**

Laboratory Observation NoteBook

Name : L K SUDHARSHAN KRISHNAA

Year/Branch/Section : II/CSE/D

Register No. : 230701350

Semester : IV

Academic Year: 2024-25

Ex. No. : 6

Date : 05.04.2025

Register No. : 230701350

Name : L K SUDHARSHAN KRISHNAA

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 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:

Hence different app layouts and color schemes and evaluate user feedback on aesthetics and usability using GIMP has been successfully executed.