# RAJALAKSHMI ENGINEERING COLLEGE RAJALAKSHMI NAGAR, THANDALAM – 602 105



### 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 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: O 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: O 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:

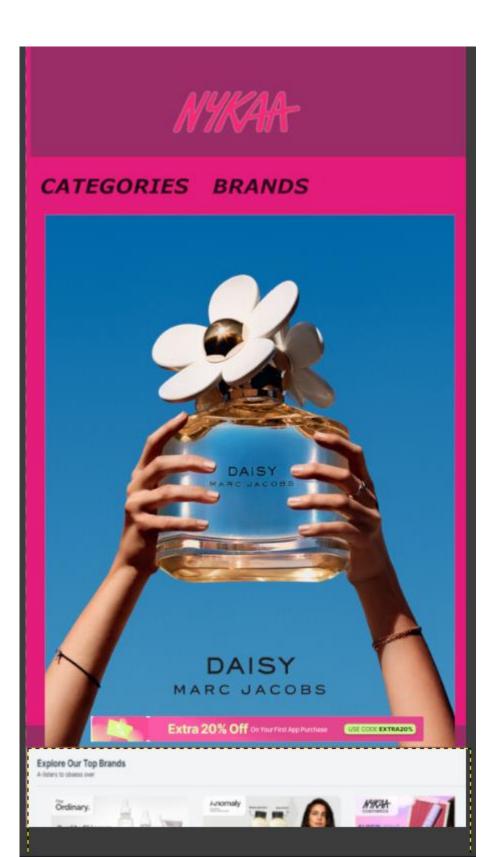
- O Distribute Files: Share the image files of the different layouts and color schemes with your users.
- Provide Instructions: Provide clear instructions on how to view each variant and how to fill out the feedback form.

#### 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: O 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.