

# **RAJALAKSHMI ENGINEERING COLLEGE**

**THANDALAM – 602 105**



## **RAJALAKSHMI ENGINEERING COLLEGE**

<p><b>CS23A34</b> <b>USER INTERFACE AND DESIGN LAB</b></p>
<p><b>Laboratory Observation NoteBook</b></p>

**Ex. No. : 6**

**Date : 05.04.2025**

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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**

- Open GIMP:
  - Launch the GIMP application.
- 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**

- 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.

- 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.

- 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**

- 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.

- 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**

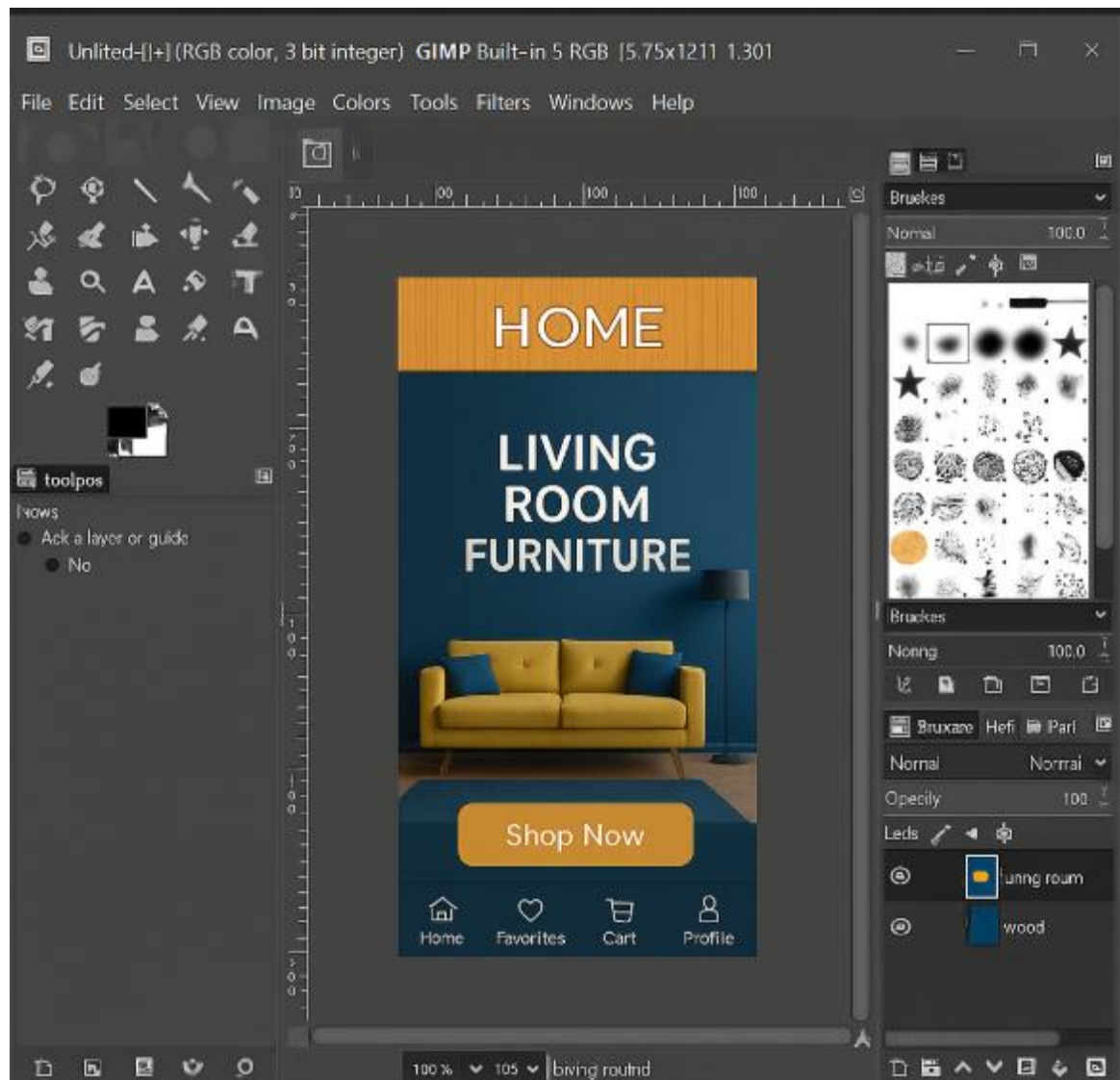
- Prepare a Feedback Form:
  - Create Form: Create a feedback form using tools like Google Forms or Microsoft Forms.

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

- **Refine the Design:**
  - Based on the feedback, make necessary adjustments to the layout and color scheme.
  - Experiment with additional variations if needed.
- **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**