**RAJALAKSHMI ENGINEERING COLLEGE**

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

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# Year/Branch/Section : II/CSE/C Register No. : 230701289 Semester : IV Academic Year: 2024-25

**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

1. Open GIMP:
   1. Launch the GIMP application.
2. Create a New Canvas:
   1. Go to File -&gt; 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.

1. Organize Layers:
   1. 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:
   1. 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.

1. Save each Variant: ○ Save each color variant as a separate file (e.g., Layout1.png, Layout2.png,etc.).
   1. Go to File -&gt; 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.

1. 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.
   1. Experiment with additional variations if needed.
2. Final Testing:
   1. 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.