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 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.
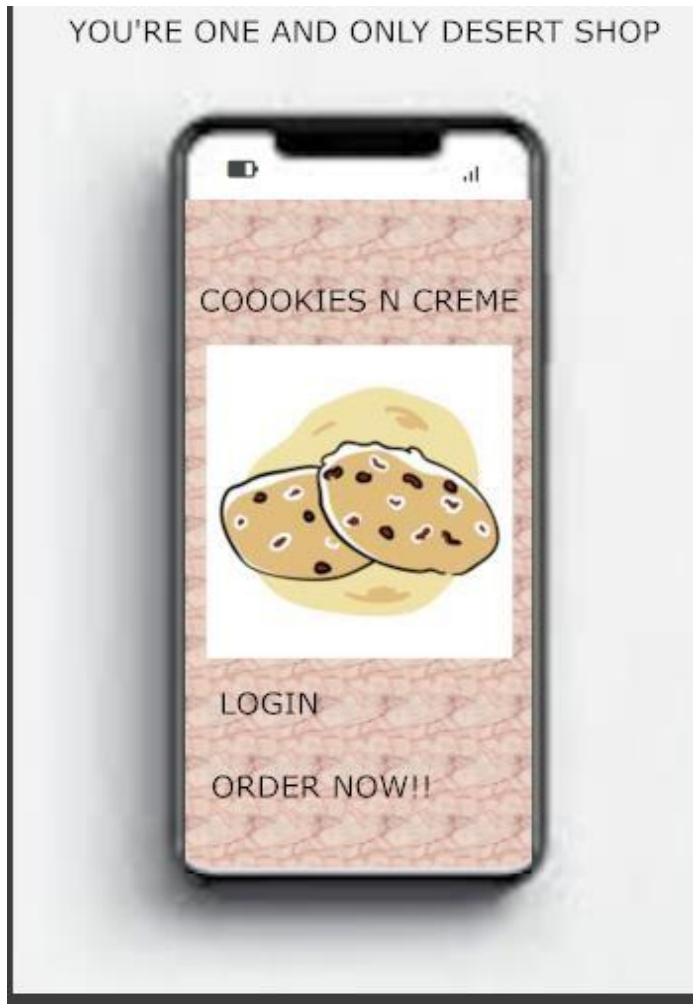
Step 6: Iterate and Refine

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:

YOU'RE ONE AND ONLY DESERT SHOP

COOOKIES N CREME

LOGIN

ORDER NOW!!

RESULT:

Hence, the GIMP-based UI design experiment successfully produced a refined layout favored by users. The dark theme emerged as the most preferred for its modern look and readability. Iterative feedback led to enhanced usability and visual appeal. The final design is now ready for further development.