RAJALAKSHMI ENGINEERING COLLEGE
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CS23A34 **USER INTERFACE AND DESIGN LAB**
Laboratory Observation NoteBook

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Conduct task analysis for an app (e.g., online shopping) and document user flows. Create corresponding wireframes using Lucidchart

Aim:

To understand and document the steps a user takes to complete the main tasks within an online shopping app.

Procedure:

Step 1: Assigning Tasks

1. Browsing Products
2. Searching for a Specific Product
3. Adding a Product to the Cart
4. Checking Out

Step 2: Document User Flows

1. Browsing Products

1. Home Screen: User lands on the home page with product categories.
2. Product Categories: User taps on a category to view products.
3. Product List: User scrolls through the product list.
4. Product Details: User taps on a specific product to see details.

Home Screen -> Product Categories -> Product List -> Product Details

2. Searching for a Specific Product

1. Search: User taps the search bar or icon.
2. Enter Query: User types the product name or keyword.
3. Search Results: User reviews matching items.
4. Product Details: User taps on a specific product to see details.

Search -> Enter Query -> Search Results -> Product Details

3. Adding a Product to the Cart

1. View Products: User browses or searches for a product.
2. Product Details: User taps on the product to see more info.
3. Add to Cart: User clicks "Add to Cart".

View Products -> Product Details -> Add to Cart

4. Checking Out

1. Open Cart: User taps on the cart icon.
2. Review Cart: User checks all products.
3. Proceed to Checkout: User clicks "Checkout".
4. Enter Shipping Info: User provides shipping details.
5. Enter Payment Info: User provides payment details.
6. Place Order: User clicks "Place Order".

Open Cart -> Review Cart -> Proceed to Checkout -> Enter Shipping Info > Enter Payment Info -> Place Order

Step-by-Step Procedure to Create User Flows in Lucidchart

1. Create a New Document

- Go to Lucidchart and sign in or sign up if you don't have an account. □ Click on + Document or Create New Diagram.

2. Select a Template

- You can start with a blank document or select a flowchart template.
- For this example, let's start with a blank document.

3. Add Shapes for Each Step

- Drag and drop shapes from the left sidebar to represent different steps in your flow (e.g., rectangles for actions, diamonds for decisions).
- Name each shape based on the steps from the task analysis:
    - Login/Register ○ Browsing Products ○ Adding Products to Cart ○ Managing Cart ○ Checkout Process ○ Tracking Orders

4. Connect the Shapes

- Use connectors to link the shapes, indicating the flow from one step to the next.
- Add arrows to show the direction of the flow.

5. Add Details to Each Step

- Double-click on each shape to add text describing the action or decision.
- For example, for the "Login/Register" step, you might add:
    - Open the app
    - Click on "Sign Up" or "Login" ○ Enter details (username, email, password)
    - Click "Submit" ○ Verification through email or phone (if required) ○ Redirect to the home screen upon successful login

6. Use Different Shapes for Different Actions

- Use rectangles for general actions.
- Use diamonds for decision points (e.g., "Is the user logged in?"). □ Use ovals for start and end points.

7. Customize and Organize Your Flowchart

- Arrange the shapes and connectors logically.
- Use different colors to distinguish between types of steps or user roles.
  ☐ Group related steps into sections for better clarity.

8. Review and Save Your Flowchart

- Review the flowchart to ensure all steps are included and connected correctly.
- Save your flowchart by clicking on File -> Save.

9. Share and Collaborate ☐ Click on the Share button to collaborate with

others.

- You can also export your flowchart as an image or PDF for presentation purposes.

Example Flowchart Breakdown:

Login/Register Flow

- Steps:
    - Open the app
    - Click on "Login" or "Register" ₒ Enter details ₒ Verify (if required) ₒ Redirect to the home screen

Browse and Search Flow

- Steps:
    - Navigate to categories or use search bar ₒ Apply filters/sorting options ₒ View product details

Add to Cart Flow

- Steps:

- View product details
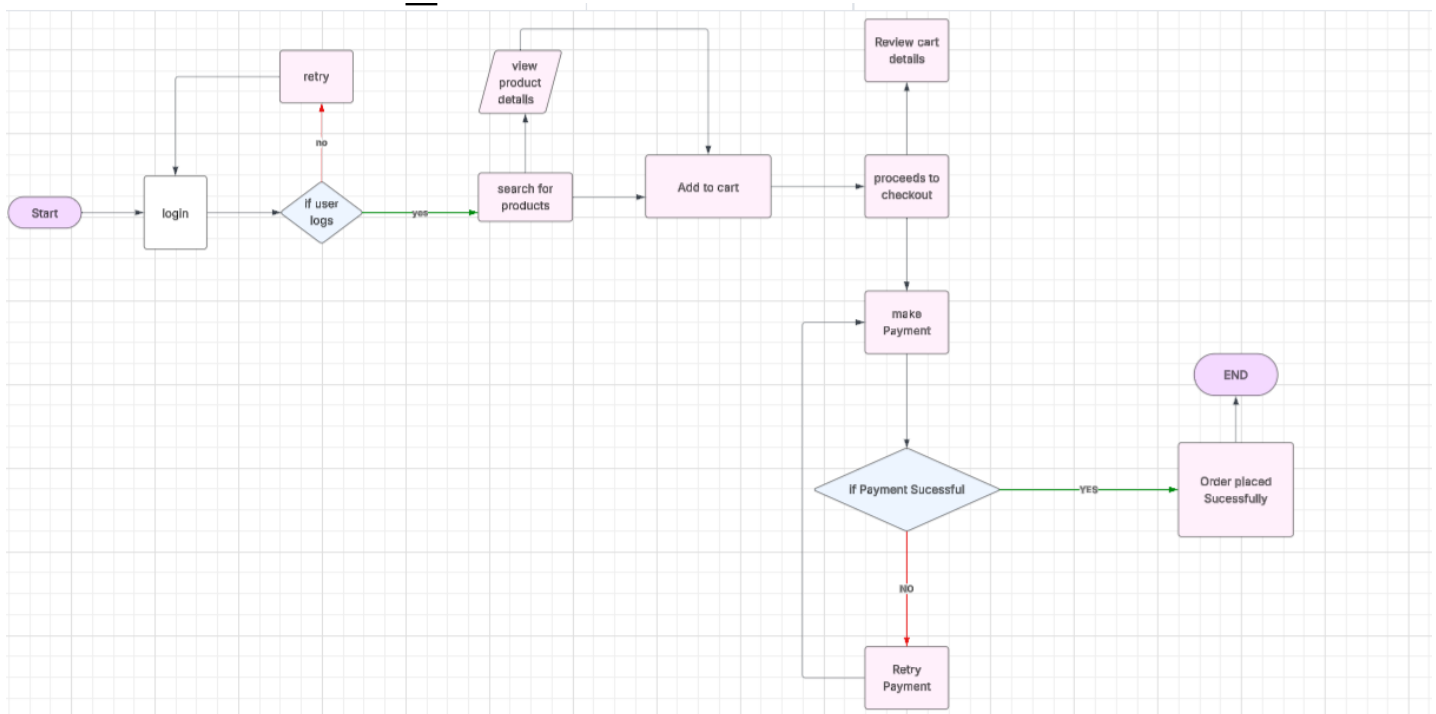 - Select options (size, color, quantity) ○ Add product to cart

Checkout Flow

- Steps:
    - Review cart ○ Proceed to checkout ○ Enter shipping information ○ Select payment method ○ Confirm and place order

Order Tracking Flow

- Steps:
    - Navigate to "My Orders" ○ Select order to track ○ View tracking details
    Output:

Result:

Hence conducted the task analysis for an app (e.g., online shopping) and documented the user flows. Created corresponding wireframes using Lucidchart has been successfully done.