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.

Tool Link: https://www.lucidchart.com/pages/

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 homepage 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.
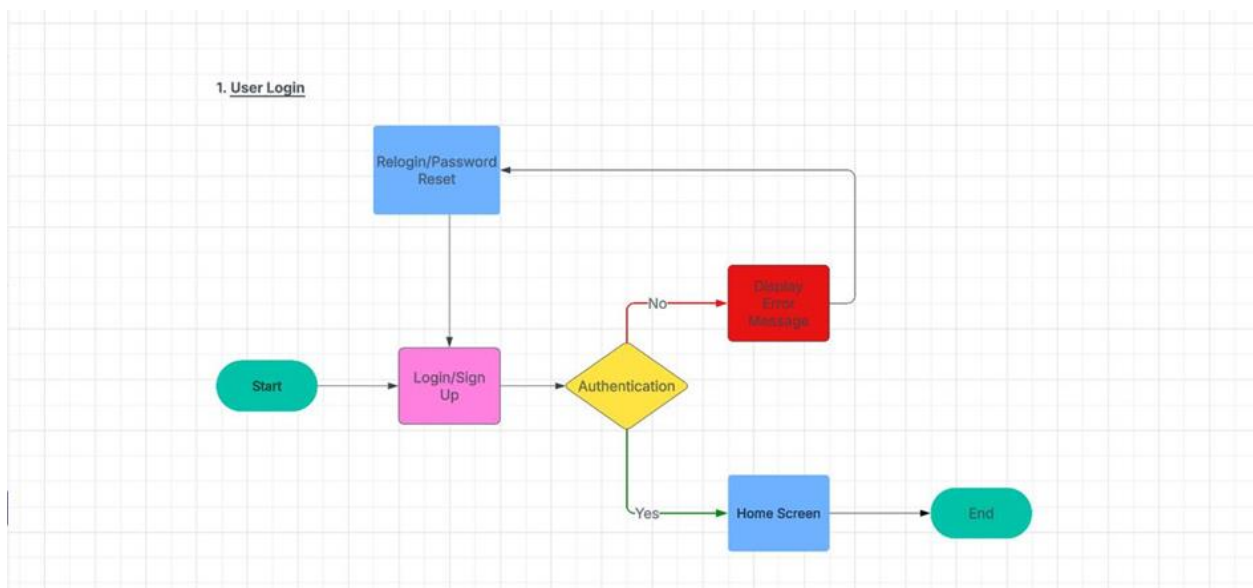
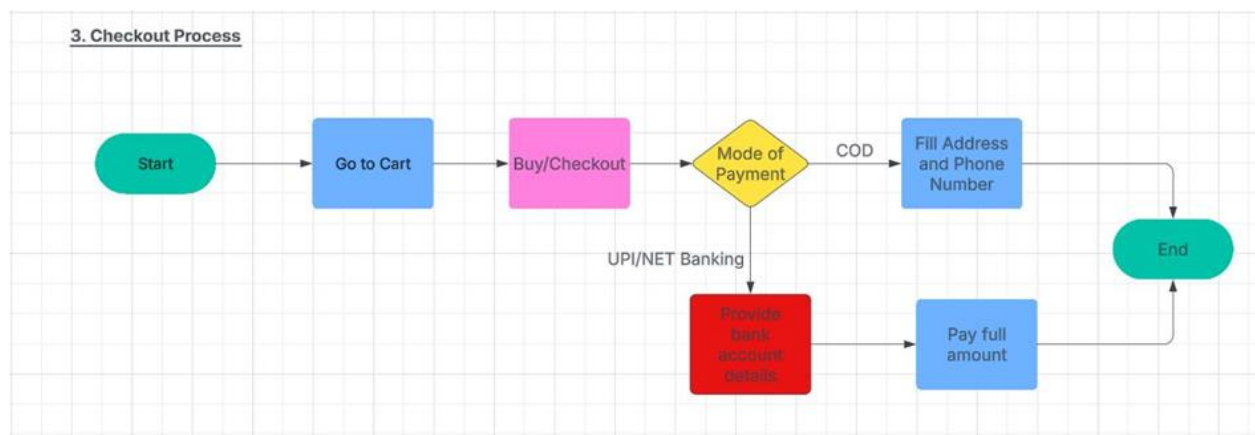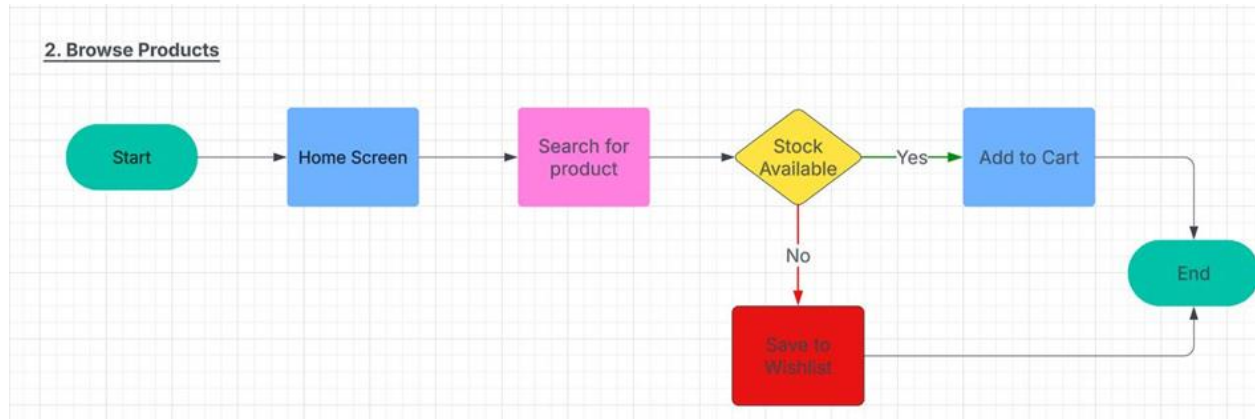8. Review and Save Your Flowchart

● 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.

OUTPUT:

2. Browse Products

3. Checkout Process

RESULT:

Hence, to document the steps a user takes to complete the main tasks within an online shopping app using Lucidchart has been executed successfully.