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:

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

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"
○ Enter details
○ Verify (if required)
○ Redirect to the home screen

Browse and Search Flow
● Steps:
○ Navigate to categories or use search bar

○ Apply filters/sorting options
○ View product details

Add to Cart Flow
● Steps:
○ View product details
○ Select options (size, color, quantity)
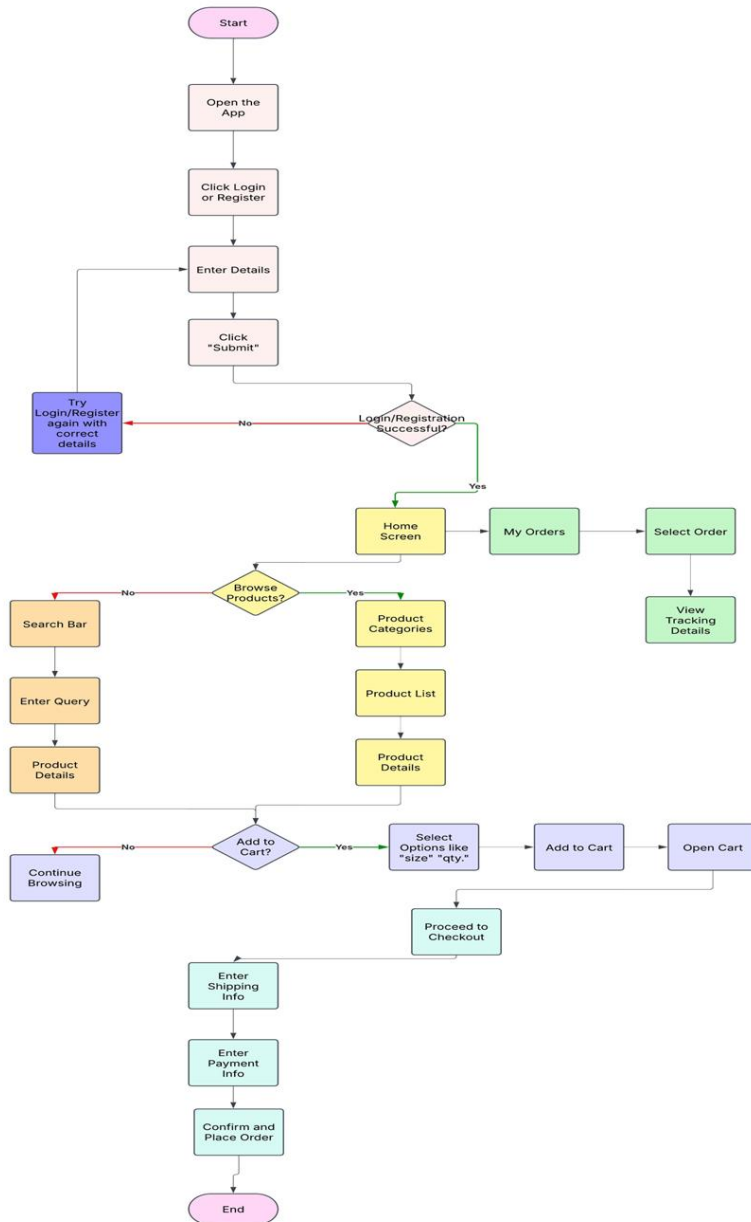○ Add product to cart

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, creating a prototype with familiar and unfamiliar navigation and using different user groups using prto.io has been successfully executed.