EXP.NO:5

DATE:27.03.2025

USER INTERFACE DESIGN

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AIM:

To conduct a task analysis for a **food ordering app** and document the **user flow diagram** using Lucidchart.

Content:

- **Task Analysis** - Write down task breakdowns

- **User Flows** - Create flowcharts for each task (Lucidchart)

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1) Task Analysis:

1. User Registration and Login Process

1. **Start:** The user begins the registration/login process.

2. **Enter Login/Signup Info:** User inputs email, password, or registers.

3. **Correct Credentials?**

   o **Yes:** User is successfully logged in and directed to the homepage.

   o **No:** User is prompted to retry login or signup.

Flow:
Start → Enter Login/Signup Info → Correct Credentials? (Yes) → Homepage

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2. Browsing and Selecting Food

- The user browses available restaurants.
- If a restaurant is selected, the food list page is displayed.
- If no restaurant is selected, the user continues browsing.
- The user clicks on food items to see details.
- The user can browse another food item or proceed to the cart.

Flow:

Homepage → Browse Restaurants → Restaurant Selected? (Yes) → View Food List

If not: **Continue Browsing**

View Food Details → Add to Cart or Browse More

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3. Adding to Cart and Checkout

- The user selects food and clicks **add to cart**.
- The user can either **modify the cart** or **proceed to checkout**.

Flow:

Food Detail Page → Add to Cart → Modify Cart? (Yes) → Stay on Food Page

If not: **Go to Cart → Proceed to Checkout**

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4. Payment Processing

- The user navigates to the **payment page**.
- If payment is **successful**, an **order confirmation** is displayed.
- If payment **fails**, the user is prompted to **retry**.

Flow:

Proceed to Payment → Payment Successful? (Yes) → Order Confirmation

If not: **Retry Payment**

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5. Order Tracking and Support

- If the order is **delivered**, an **order confirmation** is shown.
- The user can navigate to **support** if needed.
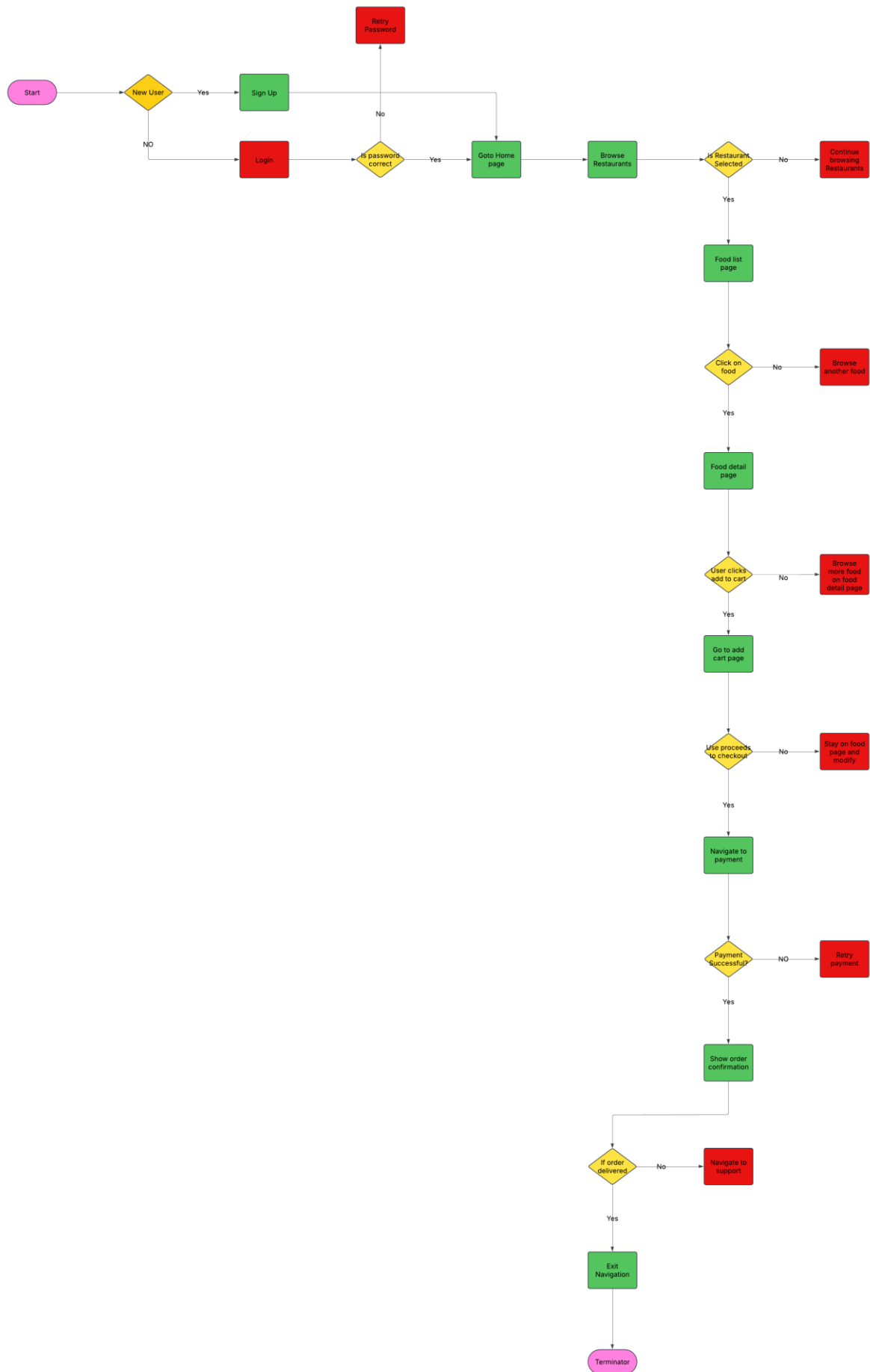- If the order is **not delivered**, the user exits or seeks help.

Flow:

Order Placed → Delivered? (Yes) → Order Confirmation

If not: **Navigate to Support → Exit or Seek Help**

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2) Document User Flows Diagram (Using Lucidchart)

```mermaid
flowchart TD
    Start([Start]) --> NewUser{New User}
    NewUser -->|Yes| SignUp[Sign Up]
    NewUser -->|NO| Login[Login]
    SignUp --> RetryPassword[Retry Password]
    SignUp --> GotoHome[Goto Home page]
    Login --> PasswordCorrect{Is password correct}
    PasswordCorrect -->|No| RetryPassword
    PasswordCorrect -->|Yes| GotoHome
    GotoHome --> BrowseRestaurants[Browse Restaurants]
    BrowseRestaurants --> RestaurantSelected{Is Restaurant Selected}
    RestaurantSelected -->|No| ContinueBrowsing[Continue browsing Restaurants]
    RestaurantSelected -->|Yes| FoodList[Food list page]
    FoodList --> ClickFood{Click on food}
    ClickFood -->|No| BrowseAnother[Browse another food]
    ClickFood -->|Yes| FoodDetail[Food detail page]
    FoodDetail --> AddToCart{User clicks add to cart}
    AddToCart -->|No| BrowseMore[Browse more food on food detail page]
    AddToCart -->|Yes| AddCartPage[Go to add cart page]
    AddCartPage --> Checkout{Use proceeds to checkout}
    Checkout -->|No| StayFood[Stay on food page and modify]
    Checkout -->|Yes| NavPayment[Navigate to payment]
    NavPayment --> PaymentSuccess{Payment Successful?}
    PaymentSuccess -->|NO| RetryPay[Retry payment]
    PaymentSuccess -->|Yes| OrderConfirm[Show order confirmation]
    OrderConfirm --> OrderDelivered{If order delivered}
    OrderDelivered -->|No| NavSupport[Navigate to support]
    OrderDelivered -->|Yes| ExitNav[Exit Navigation]
    ExitNav --> Terminator([Terminator])
```

The above is my lucid chart for food ordering app

Here is the link of my lucid chart :

https://lucid.app/lucidchart/d497341f-8cb7-482c-8fa0-177b885e4bb5/edit?viewport_loc=360%2C-196%2C2816%2C1266%2C0_0&invitationId=inv_0c250244-0ea6-411b-b6d7-d3a351ceb708