

# **UID EXERCISE 5**

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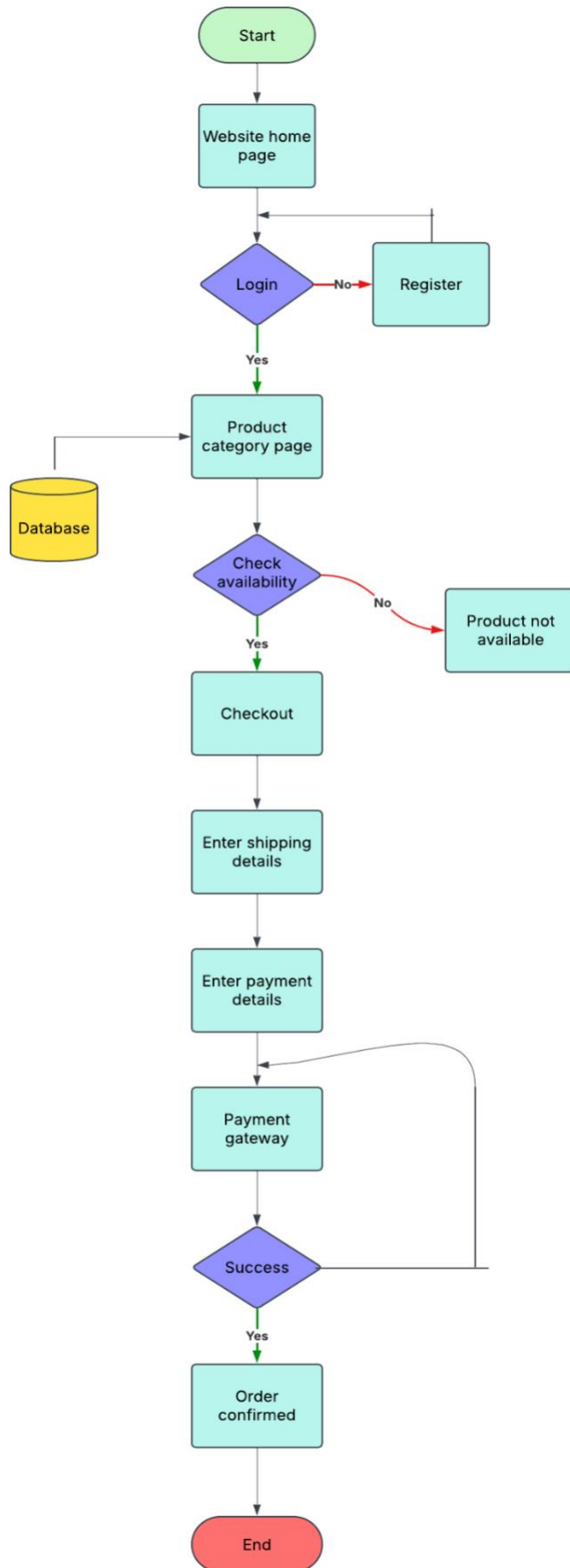
## **Task Analysis:**

Task analysis is the process of breaking down a task into smaller, manageable steps to understand how a user completes it. It helps designers and developers create user-friendly interfaces by identifying what the user wants to do, how they do it, and what challenges they might face along the way.

## **User flow diagram:**

A user flow diagram is a simple visual chart that shows the path a user takes to complete a task in an app or website. It includes steps like login, browsing, and checkout, using arrows and shapes to map out each action and decision. It helps improve user experience by making the journey smooth and clear.

The below diagram is the user flow diagram for a e-commerce website



**1. Start:**

The user begins their journey in the application.

**2. Website Home Page:**

The user lands on the homepage of the e-commerce website.

**3. Login:**

A decision is made

If the user is already registered, they can log in.

If not registered, they are directed to the Register page.

After registration, they return to the home page to log in.

**4. Product Category Page:**

Once logged in, the user accesses the product categories.

**5. Database Connection:**

The product category information is fetched from the database.

**6. Check Availability:**

A decision point checks if the selected product is available in stock.

If No, the user is shown a "Product not available" message.

If Yes, the user moves to checkout.

**7. Checkout:**

The user begins the checkout process.

**8. Enter Shipping Details:**

The user provides their shipping information.

**9. Enter Payment Details:**

The user enters their payment method and details.

**10.Payment Gateway:**

The payment process is initiated via the payment gateway.

**11.Success:**

A decision checks if the payment was successful

If Yes, the process continues.

If No, the user is redirected to re-enter payment details.

**12.Order Confirmed:**

Once payment is successful, the order is confirmed.

**13.End:**

The process is complete.