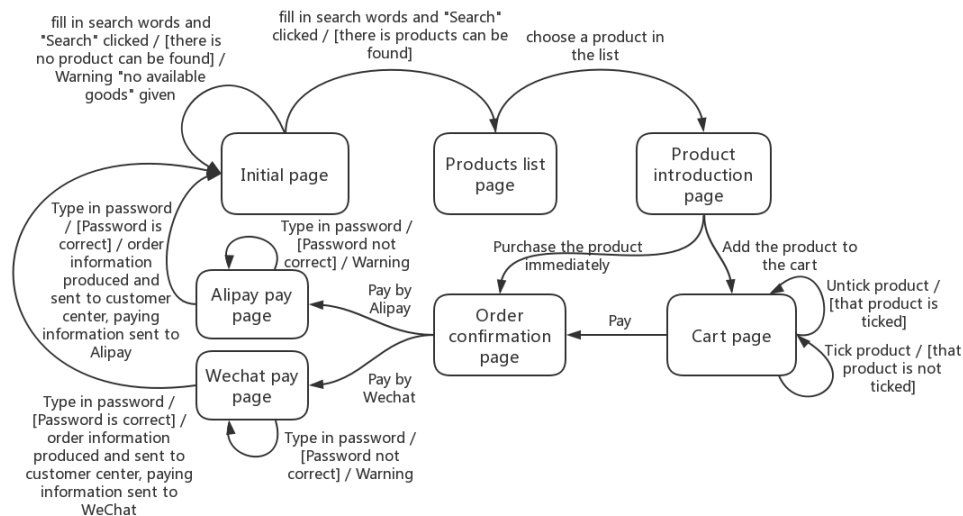


Assignment 3

Question: Draw a data flow diagram and a state transition diagram to respectively for the following simplified Internet Purchasing system in JT

1. JT provides an interface (initial page) for customer to enter goods name to search for. Then JT will display the goods list if any products can be found; otherwise, a warning information "no available goods" is given.
2. The customer can choose a product in the list and then enter the product introduction page and read the information on this product. If the customer likes the product, he can either add the product into cart or purchase the product immediately. If he chooses to add to the cart, the cart page will be displayed with the selected product ticked while other goods (selected before) in cart unticked. If he choose to purchase the product immediately, the order confirmation page will be displayed.
3. In the cart page, the customer can tick or untick the products. If the customer chooses to pay, the system will go to the order confirmation page.
4. In the order confirmation page, the customer can choose to pay by Alipay or WeChat. Then the corresponding pay page will be displayed. After the customer types the password, the payment is made and an order information is produced and sent to customer center. The paying information will be sent to WeChat or Alipay according to the paying method.
5. Then the system will go back to the initial page.

State Transition Diagram:



Data Flow Diagram:

