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SWEN5232 - Software Construction

Assignment Number: **10**

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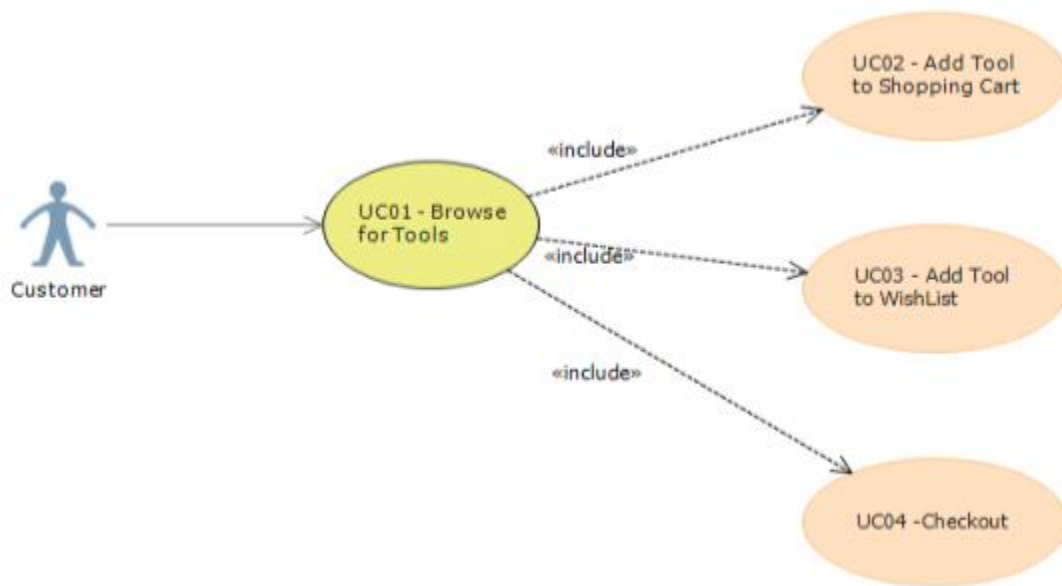
Teaching Assistant:
Shail Panchal

SEQUENCE DIAGRAMS

1. Woodwork Tools

UC01 – Browse for Tools

This use case describes activities the actor Customer performs when browsing for tools.



Basic Flow

1. The use case starts when the customer navigates to the website
2. System presents a list of tool categories to choose from
3. Customer selects a tool category
4. System displays a list of tools for the selected tool category
5. Customer selects a tool
6. Perform View Tool Details (S1) to display the detailed information for the selected tool
7. The use case ends

Alternate Flows

A1. Add Tool to Shopping Cart

While viewing the details of a tool, if the customer decides to include in his or her purchase, include UC02-- Add Tool to Shopping Cart to add the tool to the Customer's shopping cart.

A2. Add Tool to Wish List

Figure 1: Woodwork Tools Basic Flow Sequence Diagram

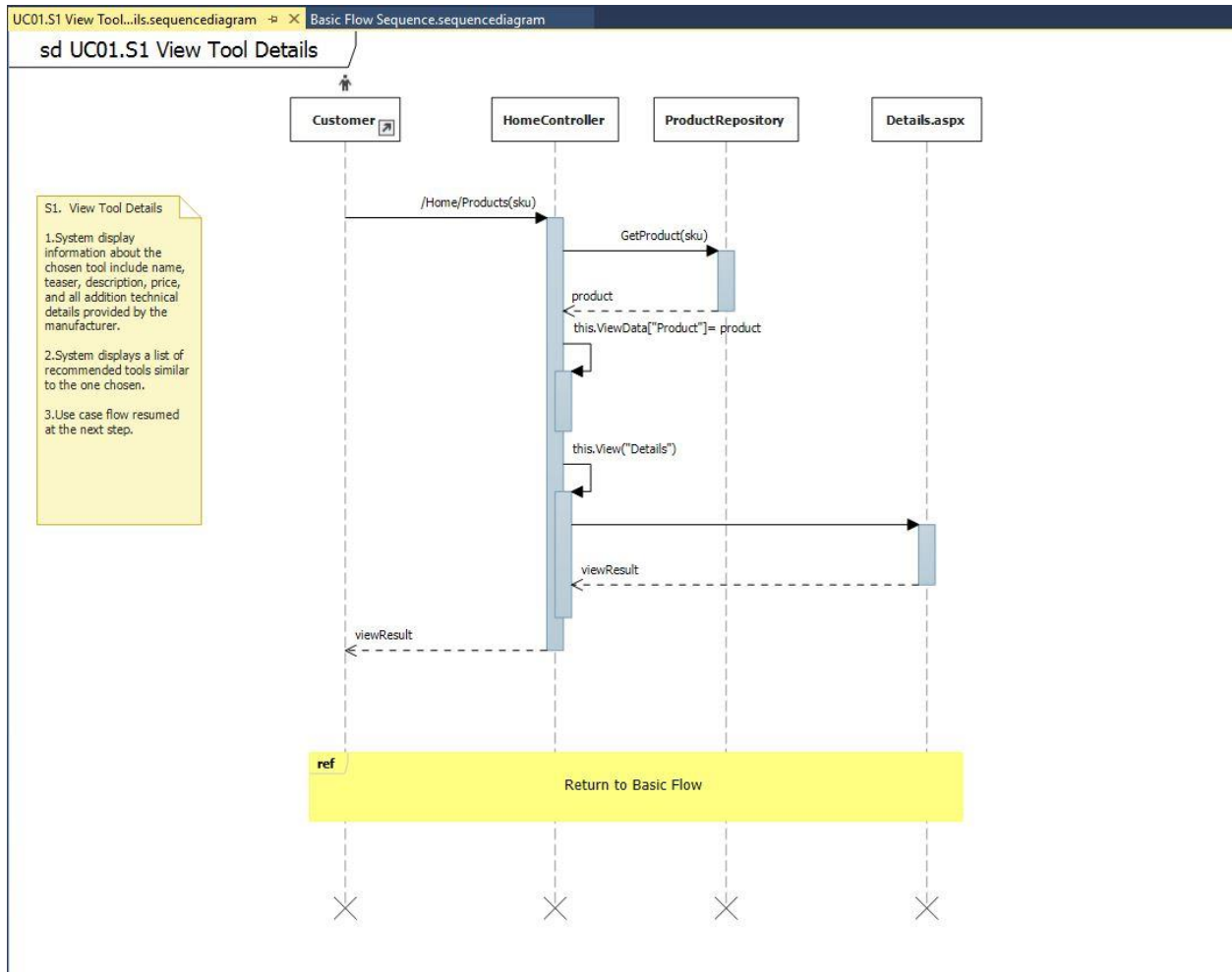


Figure 2: Sequence Diagram for Viewing Tool Details

2. Coffee Shop Website:

Use case for Browsing Coffee:

This use case describes activities the actor Customer performs when browsing for coffee types.

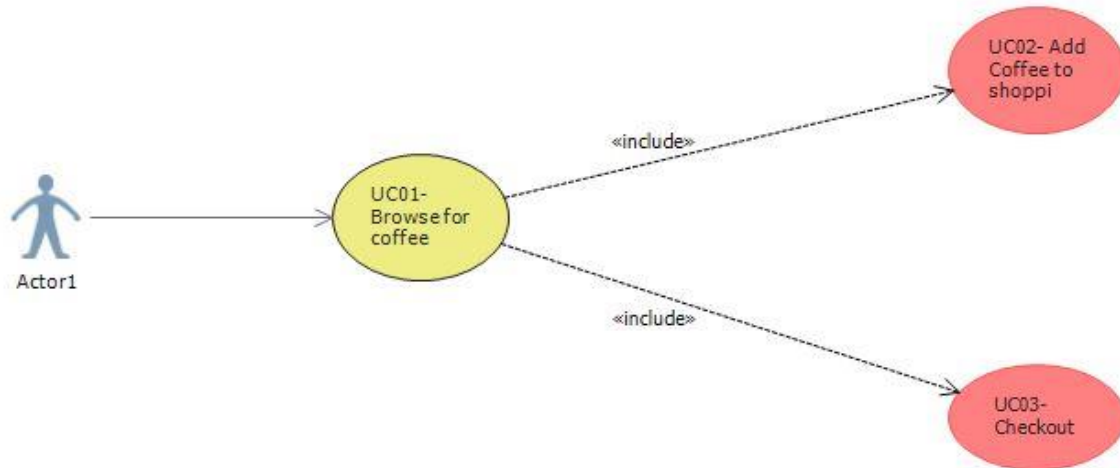


Figure 3: Use Case for Browsing Coffee

Basic Flow

1. The use case starts when the customer navigates to the website
2. System presents a list of coffee categories to choose from
3. Customer selects a coffee category
4. System displays a list of coffees for the selected coffee category
5. Customer selects the coffee
6. Perform View Coffee Details (S1) to display the detailed information for the selected coffee
7. The use case ends

Alternate Flows

- A1. Add Coffee to Shopping Cart

While viewing the details of a coffee, if the customer decides to include in his or her purchase, include UC02-- Add Coffee to Shopping Cart to add the coffee to the Customer's shopping cart.

A2. Checkout

After the Customer has completed their browsing session and there are coffee in the shopping cart, if the Customer decides to purchase any of the coffee, include UC03 – Checkout to purchase the coffee in the Customer's shopping cart.

Sub flows

S1. View Coffee Details

1. System display information about the chosen coffee include name, description, and price.
2. System displays a list of recommended coffee similar to the one chosen.
3. Use case flow resumed at the next step.

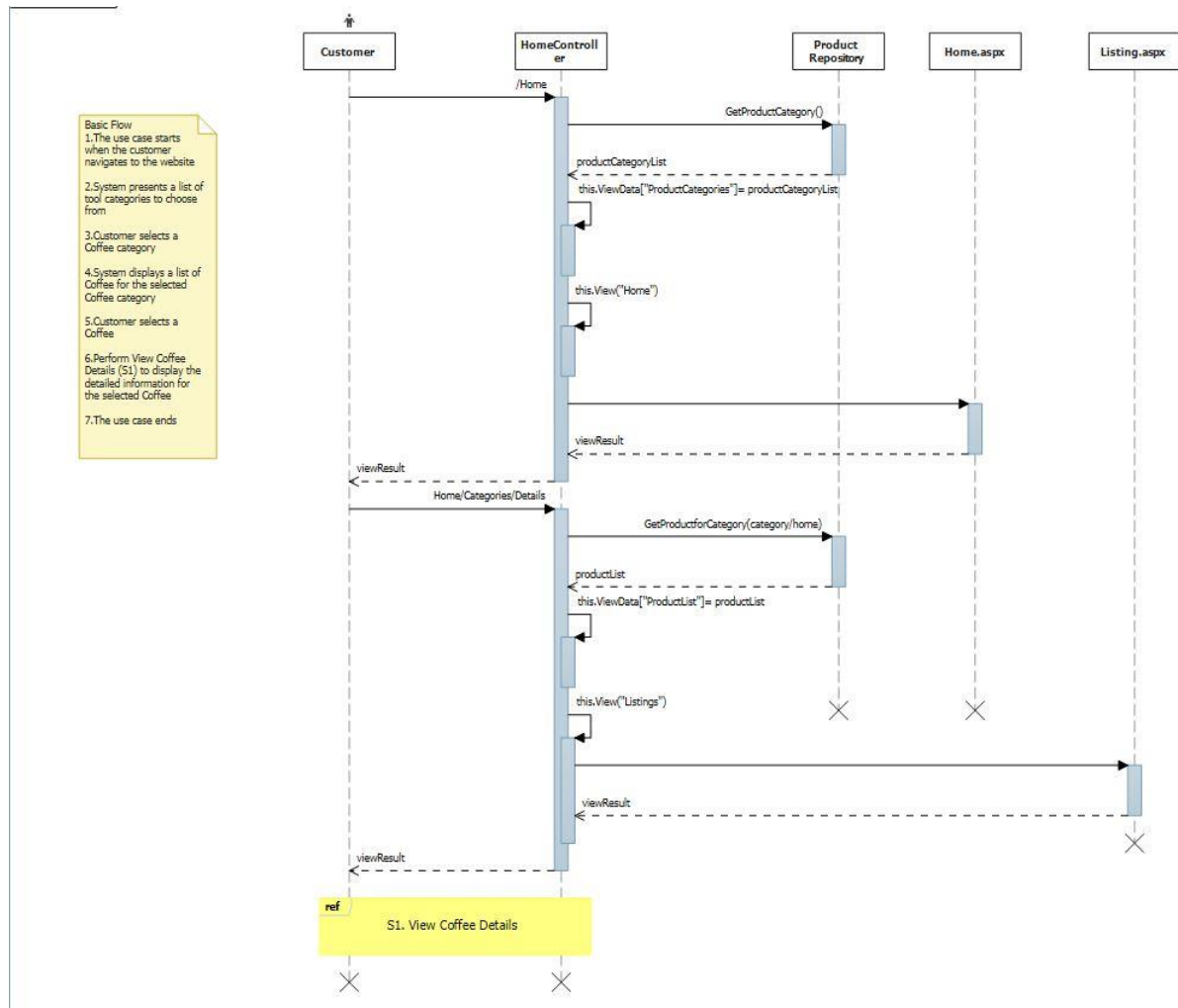


Figure 4: Sequence Diagram for Basic flow of Coffee Shop Website

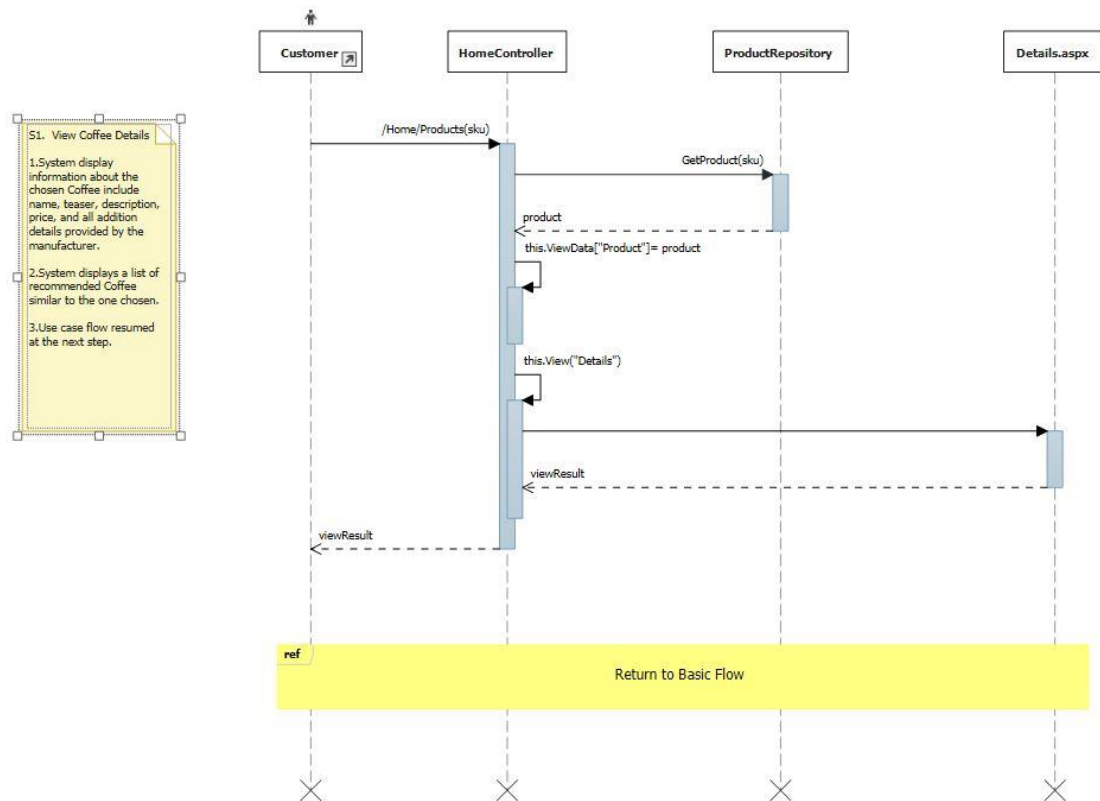


Figure 5: Sequence Diagram for Details of Coffee

Use case for Payment:

This use case describes activities the actor Customer performs when he proceeds for checkout.

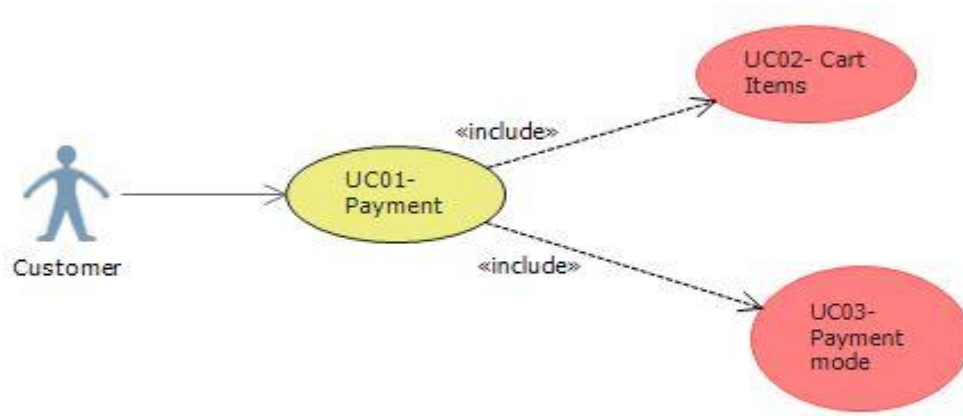


Figure 7: Use Case for Payment

Basic Flow

1. The use case starts when the customer navigates to checkout.
2. System presents an option to check out.
3. Customer selects checkout.
4. System displays a list of items in the cart.
5. Customer confirms the items and proceeds to pay.
6. System performs payment mode option selection.
7. Customer selects the payment mode and pays.
8. The use case ends

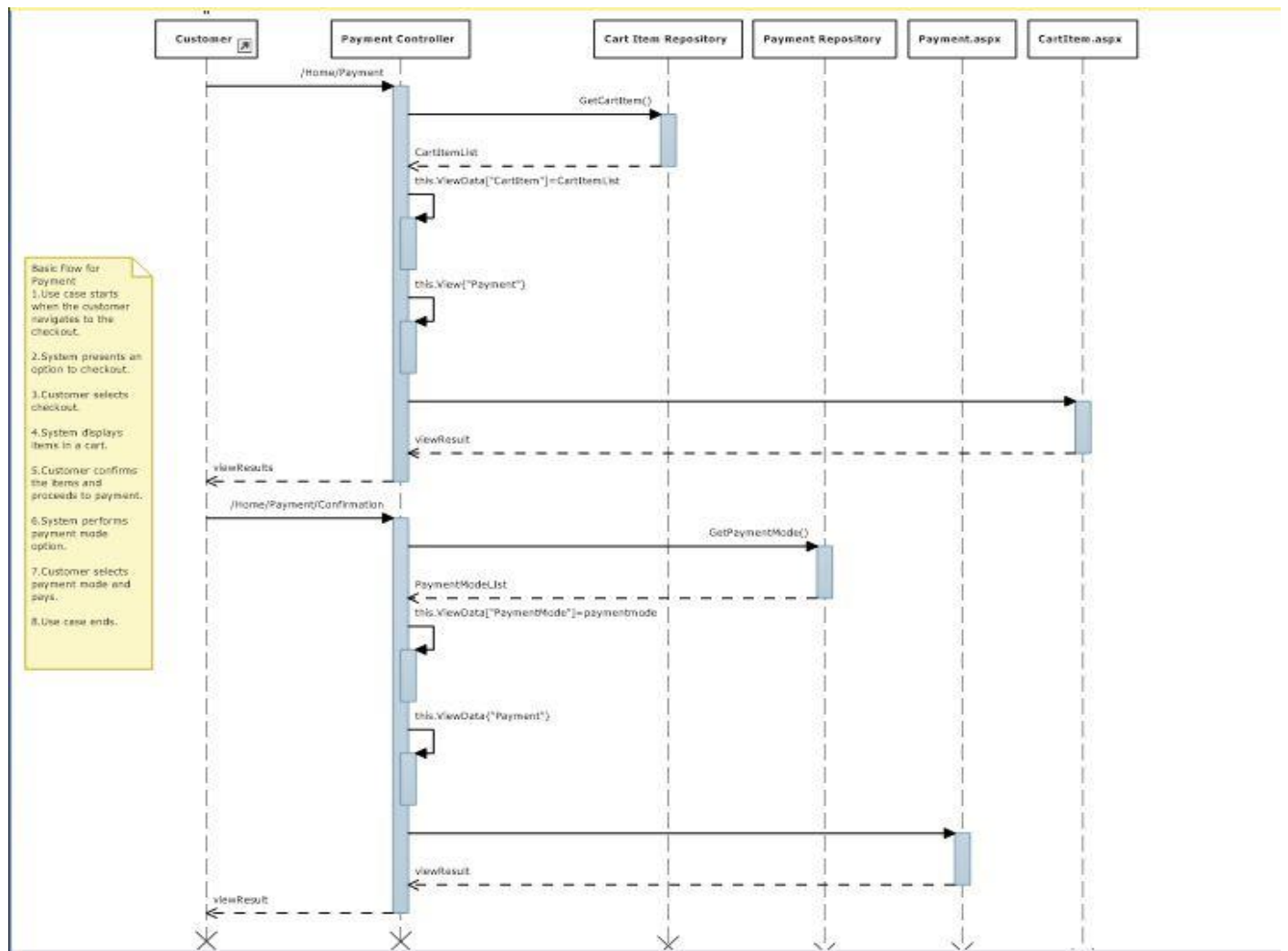


Figure 8: Sequence Diagram for Payment