

## Q.7 Implement GOMS (Goals, Operators, Methods and Selection rules) modeling technique to model user's behavior in given scenario.

**Goal : Select an item and Add it to cart.**

### 1. Goal: Select an item and Add it to cart

### 2. Operators:

- **O1: Observe available items:** Scan the webpage to identify available items.
- **O2: Select item:** Click on the desired item to view details.
- **O3: Add item to cart:** Click the "Add to Cart" button associated with the selected item.

### 3. Methods:

- **M1: Browse and select:**
  - O1 (Observe available items) -> O2 (Select item) -> O3 (Add item to cart)
- **M2: Search and select:**
  - O1 (Observe available items) -> Perform search -> O2 (Select item) -> O3 (Add item to cart)

### 4. Selection Rules:

- If the user knows the item they want, they use **Method 1 (Browse and select).**
- If the user is looking for a specific item, they use **Method 2 (Search and select).**

### Example Scenarios:

#### 1. Scenario 1: User knows the item they want

- Method: **M1 (Browse and select)**
- Operators:
  - O1 (Observe available items)
  - O2 (Select item)
  - O3 (Add item to cart)

#### 2. Scenario 2: User is looking for a specific item

- Method: **M2 (Search and select)**
- Operators:
  - O1 (Observe available items)
  - Perform search
  - O2 (Select item)
  - O3 (Add item to cart)

## Q.10 Implement GOMS (Goals, Operators, Methods and Selection rules) modeling technique to model user's behavior in given scenario.

**Goal : Delete the Mail.**

### 1. Goal: Delete the Mail

### 2. Operators:

- **O1: Observe mail:** Review the list of emails in the mailbox.
- **O2: Select mail:** Click on the specific email to be deleted.
- **O3: Delete mail:** Use the delete button or press the delete key to remove the selected email.

### 3. Methods:

- **M1: Individual Deletion:**
  - O1 (Observe mail) -> O2 (Select mail) -> O3 (Delete mail)
- **M2: Batch Deletion:**
  - O1 (Observe mail) -> Select multiple emails -> O3 (Delete mail)

### 4. Selection Rules:

- If the user wants to delete a single email, they use **Method 1 (Individual Deletion)**.
- If the user wants to delete multiple emails at once, they use **Method 2 (Batch Deletion)**.

### Example Scenarios:

#### 1. Scenario 1: User wants to delete a single email

- Method: **M1 (Individual Deletion)**
- Operators:
  - O1 (Observe mail)
  - O2 (Select mail)
  - O3 (Delete mail)

#### 2. Scenario 2: User wants to delete multiple emails

- Method: **M2 (Batch Deletion)**
- Operators:
  - O1 (Observe mail)
  - Select multiple emails
  - O3 (Delete mail)

**Q. 14 Implement GOMS (Goals, Operators, Methods and Selection rules) modeling technique to Model user's behavior in given scenario.**

**GOAL : CLOSED WINDOW.**

**1. Goal: CLOSE WINDOW**

**2. Operators:**

- **O1: Observe window:** Identify the target window to be closed.
- **O2: Move cursor:** Move the mouse cursor to the close button of the window.
- **O3: Click:** Use the mouse to click on the close button.
- **O4: Confirm action (if needed):** Confirm closure if a confirmation dialog appears.

**3. Methods:**

- **M1: Standard Closure:**
  - O1 (Observe window) -> O2 (Move cursor) -> O3 (Click)
- **M2: Closure with Confirmation:**
  - O1 (Observe window) -> O2 (Move cursor) -> O3 (Click) -> O4 (Confirm action)

**4. Selection Rules:**

- If the user is certain about closing the window without confirmation, they use **Method 1 (Standard Closure).**
- If the user wants to confirm the closure to avoid accidental actions, they use **Method 2 (Closure with Confirmation).**

**Example Scenarios:**

**1. Scenario 1: User wants to quickly close a window without confirmation**

- Method: **M1 (Standard Closure)**
- Operators:
  - O1 (Observe window)
  - O2 (Move cursor)
  - O3 (Click)

**2. Scenario 2: User wants to close a window but prefers confirmation for safety**

- Method: **M2 (Closure with Confirmation)**
- Operators:
  - O1 (Observe window)
  - O2 (Move cursor)
  - O3 (Click)
  - O4 (Confirm action)