**Test Cases based on the class designs**

**Customer Class:**

**Test Case 1: Creating a Customer (TC01)**

Description: Verify that a customer object is created with valid parameters.

Prerequisites: None.

Steps:

1. Create a customer with valid details (e.g., name, email, address, phone).
2. Check if the customer object is successfully created.

Expected Result: Customer object is created successfully.

**Test Case 2: Updating Contact Info (TC02)**

Description: Test updating contact information for an existing customer.

Prerequisites: A valid customer exists.

Steps:

1. Update the customer’s email address.
2. Verify that the email address is updated correctly.

Expected Result: Email address is updated successfully.

**Order Class:**

**Test Case 3: Creating an Order (TC03)**

Description: Verify that an order can be created with valid customer and product IDs.

Prerequisites: Valid customer and product IDs are available.

Steps:

1. Create an order with valid customer and product IDs.
2. Check if the order is successfully created.

Expected Result: Order is created successfully.

**Test Case 4: Updating Order Status (TC04)**

Description: Test updating the status of an existing order.

Prerequisites: An existing order with a valid status.

Steps:

1. Change the order status (e.g., from “Processing” to “Shipped”).
2. Verify that the status is updated correctly.

Expected Result: Order status is updated successfully.

**Test Case 5: Tracking Order (TC05)**

Description: Verify that the order status can be tracked.

Prerequisites: An existing order.

Steps:

1. Retrieve the status of an existing order.
2. Check if the status matches the expected value.

Expected Result: Order status is accurately tracked.

**Product Class:**

**Test Case 6: Creating a Product (TC06)**

Description: Verify that a product can be created with valid parameters.

Prerequisites: None.

Steps:

1. Create a product with valid details (e.g., name, description, price).
2. Confirm that the product is successfully added.

Expected Result: Product is created successfully.

**File Class:**

**Test Case 7: File Handling (Assumption) (TC07)**

Description: Assuming the File class is related to file handling, test file creation, read, update, and delete operations.

Prerequisites: None.

Steps:

1. Create a new file.
2. Read data from the file.
3. Update the file content.
4. Delete the file.

Expected Result: File operations are performed correctly.