**Directions:**

Read the description of the online shopping store provided, then respond to the prompts for Phases I and II. Use this document to enter your responses. Save all responses in this document as a single PDF titled “Last Name\_First Name\_Online Shopping Store Project\_Submission”.

**Phase I**

Develop a scenario for each quality factor based on the online shopping example in the Project Description and explain how to test that quality factor for the client-server web application in the space provided. *You may use additional pages as needed to answer this question.*

**Quality Factor: Time Behavior**

1. Source of Stimulus: End user (Customer)
2. Stimulus: Customer queries for clothing selections, checkout, and other operations should occur in 20-30 seconds.
3. Environment: Normal operations
4. Artifact: User operation process
5. Response: returns desired clothing information, redirected operator to checkout page, and the inform operator other information
6. Response Measure: The response for each operation is in twenty to thirty seconds.

How to test time behavior:

Log in to Online Shopping Store as a customer to perform several following actions: randomly select some cloths and view the information of selected cloths, perform the checkout action for selected cloths, views shopping cart.

The first action should return the correct description of selected cloth,   
The second action should direct operator to checkout page with displaying selected cloths for checking out,   
The third action should show the operator a shopping cart with desired items added.

Measure and record the time spent for each operation above and check whether they can finish the tasks with in 20-30 seconds.

**Quality Factor: Confidentiality**

1. Source of Stimulus:
2. Stimulus:
3. Environment:
4. Artifact:
5. Response:
6. Response Measure:

How to test confidentiality:

[Explain how to test this quality factor in this space]

**Quality Factor: Recoverability**

1. Source of Stimulus:
2. Stimulus:
3. Environment:
4. Artifact:
5. Response:
6. Response Measure:

How to test recoverability:

[Explain how to test this quality factor in this space]

**Phase II**

Draw each diagram according to the online shopping store situation described in the project description. Take a clear screenshot of each diagram and paste it in the corresponding space provided. *You may add additional pages as needed.*

**System Diagram:**

**Container Diagram:**

**Deployment Diagram:**