Assignment # 3

CS322 - SC - Software Construction

Gift Registry System (Case Study # 1)

**Group no. 5**

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**Submission Date:** 29-10-2024

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Quaid i Azam University

Department of Computer Science

**Gift Registry System (Case Study)**

The submitted document titled “**Gift Registry System**” is authentic work submitted by Ghufran Mahmood ( 04072213004), Muhammad Faheem Khan ( 04072213031 ), Aftab Burki ( 04072113011) conducted at Quaid-i-Azam University, Islamabad. The document strictly follows the IEEE guidelines and ensures secure coding practices.

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Sign of Instructor

**Preface**

The documentation of gift registry system web-based Software, developed to deal with the selection and purchasing of different items from the given list by the Registered Person for his/her friends those will give gifts to Registered Person on his particular event. The software allow the credit card payment methodology, and also modifications before payment.

**Change of History**

version:1.0 (This is First Version)

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Use-cases Descriptions

* UC8 (by M.Faheem Khan)

Title: Process Payment

Actor: Friend

Stakeholders:

1. Shop owner: Shop owner will manage payment.
2. Friend: Friend will buy items from list and give payment.

Pre-conditions:

1.Friend must be registered.

2.Payment deadline has not passed.

Post-conditions:

1. Friend received confirmation message of payment.

Special Requirements:

Via credit card.

Frequency of Occurrence:

On regular basis.

Input:

1. User id.
2. Event id.
3. Card number.

Output:

1. Transaction confirmation.
2. Detailed payment receipt.

Main Success Scenario:

1. He selects payment option.
2. The system will show enter card number option.
3. He enters the card number.
4. The system will show enter pin.
5. He enters the pin.
6. System will show total bill and confirm payment options.
7. He selects confirm.
8. The system will display successfully payment message.

Alternate Scenario:

3a. He enters Invalid card number.

4a. He enters Invalid pin.

Failed Scenario:

7a.He selects confirm but he has insufficient balance.

* UC9 (by M.Faheem Khan)

Title: Modify selection

Actor: Friend

Stakeholders:

1. Friend: friend will make modifications in selected items.
2. Registered person: Registered person will receive these gifts.

Pre-conditions:

1.Friend must be login to the system.

2.Friend must have selected some items .

Post-conditions:

1. System will updates the selected items of friend.

Special Requirements:

None

Frequency of Occurrence:

Depends on user.

Input:

1. item id .
2. quantity.

Output:

1.Modified list.

2.Modification confirmation.

Main Success Scenario:

1. He selects “Modifications” option.
2. System will show its selected items list.
3. He will selects particular item that will be modified.
4. System will show available items list.
5. He selects item and enter quantity.
6. System will ask for confirmation.
7. He confirms the modifications.
8. System will show “ok” option.
9. He will selects “ok” option.
10. The system will show “done” message.

Alternate Scenario:

5a. He enter more quantity than available.

Failed Scenario:

NA

System Sequence Diagram(SSDs):

