**Assignment 5 Plan**

**Team 1**

**Team Members Participating:**

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# Brief Description of the part of the system that is being coded:

Use case being coded: Add New Sale

* User must be successfully logged into the system and have required permissions for the task.
* User must add mandatory customer information.
* User must add the required product information.
* User may enter additional information if available and if permitted by the customer.
* Once the information is validated the sale is added to the database.
* Each product or service sold must be added individually.
* Each product or service sold will have its own billing cycle, price plan and associated unique identifiers such as IMEI and SIM numbers.
* On successful completion of the use case the view daily sales page is displayed with an updated list of sales added to the system during the day.

# Detailed test plan that will be used for the system demonstration:

## Name of Use Case – Add New Sale

*Note: if you have more than one use case then please show each use case separately, with a separate set of tables.*

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successful addition of new sale | User successfully adds a new sale with valid customer information and product information. |
| Alt: Missing mandatory information | User leaves a mandatory text field blank |
| Alt: Invalid phone number, IMEI or SIM number | User enters phone number, IMEI or SIM number that doesn’t match the validation criteria. |
| Alt: Invalid input format | User enters input such as email, postal code or contact that is invalid or in the wrong format |
| Alt: Price plan and/or Add On and/or Tab amounts are too high or too low | Price plan selected is currently not available or is beyond the acceptable range, and / or add on amount entered is higher than the upper limit allowed for add-ons, and/or Tab amount is above the maximum limit |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** | **Actual Result**  *(For use by professor only)* |
| --- | --- | --- | --- | --- | --- |
| AS1 | Successful addition of new sale | Calculation | All mandatory fields are filled. Phone number, IMEI and SIM numbers are valid, entries meet format requirements, user is authorized to add sale, amounts selected are allowed for the sale type. | New sale is added. Counts of sale type and model sold are updated, sale progress for the store and comparison with sales targets are updated. Phone number, IMEI and SIM numbers are saved as key for searching the sale, a receipt number is generated for the sale and saved. View daily sales page is displayed with the new sale updated. |  |
| AS2 | Missing mandatory information | Simple Validation | One or more mandatory fields are blank. | Error statement “\*Information Missing” is displayed before the “Add Sale” button. Text fields that need to be filled are highlighted with a hint on top of the field.  New sale is not added, no information is updated nor saved. |  |
| AS3 | Invalid phone number, IMEI or SIM number | Simple Validation | Phone number entered is not 10 digits in length, and/or not a GTA number, and/or if the IMEI is not 15 digits long, and/or the SIM number is not 19 digits long. | Error displaying “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |  |
| AS4 | Invalid input format | Simple Validation | One or more inputs such as emails and phone numbers do not follow the expected format. | Error statement “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |  |
| AS6 | Price plan and/or Tab and/or Add On amounts are too high or too low | Business Rule | Price plan entered is higher than the maximum amount permitted ($100) or lower than the minimum amount permitted. The Tab amount is more than the maximum limit ($504). The Add On amount is higher than the maximum amount permitted. | Error statement “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted. Error statement indicating the problem with the amount entered is displayed next to the concerned text field. |  |