**CSC 193 – Mobile Computing**

**Sunset Beach Resort Mobile Management System**

**Proponents:**

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**CHARTER**

**Vision**

A mobile application that makes it easier and faster to monitor and manage the business.

**Mission**

Create a mobile management system that monitors the revenues, expenses, summary of all revenues and expenses and manages booking schedules of customers.

**Objectives**

* After 1 week of documenting the charter, use cases and test cases, the prototype will be initiated.
* Within 1.5 months after project initiation, the booking schedules will be able to be inserted in the database, and the summary of all the revenues and expenses will be available for viewing.

**Principle**

Speed and accuracy in managing the business is of primary importance.

**Feature List**

* View Revenues
* View Expenses
* Summary
* Booking Schedule
  + Calendar View
  + Event List
  + Add Event
* View Customer Database

**Feature List Acceptance Criteria**

**View Revenues**

Viewing of all the revenue transactions in the system together with the information about the said transaction (e.g. date, event, customer, particulars and the amount); where the information can be edited or deleted.

**View Expenses**

Viewing of all the expense transactions in the system together with the information about the said transaction (e.g. date, expenses, particulars and the amount); the information can be edited or deleted.

**Summary**

The overall revenues and expenses, together with the income in a specific month and year will be viewed.

**Booking Schedule**

A list of scheduled events in the resort will be viewed.

**Calendar View**

Viewing of the calendar with the highlighted days of events.

**Event List**

A list of events will be displayed.

**Add Event**

A form for adding events will be displayed.

**View Customer Database**

A list of customers together with their contact information will be viewed; the information can be edited or deleted.

**Role**

* **Proprietor** – views the status of his business through a mobile device and can book an event.

**Role Attribute**

**Proprietor**

* **Frequency of use** – Often
* **Domain expertise** – Excellent
* **Computer/Mobile expertise** – Good
* **General goals** – Speed (as few as keystrokes as possible)

**Persona**

Mr. Placido owns the business. He spends a lot of his time travelling out of town because of his other business. He wants to monitor the status of his business anytime, anywhere. Whenever he is out of town and meets someone who would like to book an event, he can then easily book the event through his mobile device.

**Stories**

As the proprietor, I want to monitor the status of my business anytime, anywhere.

As the proprietor, I want to book an event through my mobile device.

**USE AND TEST CASES**

***View Revenues***

**Use Case:**

**Name** – View Revenues

**Description** – Viewing of all the revenue transactions with corresponding information.

**Actor –** Clerk

**Pre-condition** – Revenue transactions are already encoded in the database.

**Post-condition** – The list of the revenues will be displayed.

**Main Course:**

* + 1. In the revenue page, clerk clicks “view”.
    2. In the view page, a list of all the revenue transactions together with the information about the said transaction is displayed.

**Test Case:**

**Given** Revenue transactions are already encoded in the database.

**When** The clerk clicks “view” in the revenue page.

**Then** All of the revenue transactions are displayed.

***View Expenses***

**Use Case:**

**Name** – View Expenses

**Description** – Viewing of all the expense transactions with corresponding information.

**Actor** –Clerk

**Pre-condition** – Expense transactions are already encoded in the database.

**Post-condition** – The list of the expenses will be displayed.

**Main Course:**

* 1. In the expense page, clerk clicks “view”.
  2. In the view page, a list of all the expense transactions together with the information about the said transaction is displayed.

**Test Case:**

**Given** Clerk has all the information about the transaction.

**When** The clerk clicks “add” in the expense page.

**Then** Clerk fills up the form with the information about the transaction and clicks “save”.

***Summary***

**Use Case:**

**Name** – Summary

**Description** – Summary of all the revenues and expenses.

**Actor** – Clerk

**Pre-condition** – All the revenues and expenses are already encoded in the database.

**Post-condition** – The total revenues and expenses will be displayed together with the calculated income.

**Main Course:**

* 1. In the main page, clerk clicks “summary”.
  2. In the summary page, the overall revenues and expenses will be displayed together with the calculated income.

Exception:

* + 1. The clerk wishes to view the summary for a specific month and year.
       1. The clerk inputs the month and year in the search box and clicks “ok”.
       2. The summary for a specific month and year will be displayed.
    2. The clerk wishes to view back the overall summary.
       1. The clerk clicks “overall” and the overall summary page will be displayed

**Test Case:**

**Given** All revenues and expenses are already encoded in the database.

**When** The clerk clicks “summary” in the main page.

**Then** The summary page will be displayed.

***Booking Schedule***

**Use Case:**

**Name** – Booking Schedule

**Description** - A list of schedule events in the resort.

**Actor** – Clerk

**Pre-condition** – Customers have already booked an event in the resort.

**Post-condition** – A list of scheduled events in the resort will be displayed.

**Main Course:**

* 1. In the main page, clerk clicks “booking schedule”.
  2. In the booking schedule page, the list of scheduled events will be displayed.

**Test Case:**

**Given** Customers have already booked an event in the resort.

**When** The clerk clicks “booking schedule” in the main page.

**Then** The booking schedule page will be displayed.

***Calendar View***

**Use Case:**

**Name** – Calendar View

**Description** – Viewing of the calendar with the highlighted days of events.

**Actor** – Clerk

**Pre-condition** – Customers have already booked an event in the resort.

**Post-condition** – A monthly view of the calendar with highlighted days of events is displayed.

**Main Course:**

* 1. In the booking schedule page, clerk clicks “calendar view”.
  2. In the calendar view, a monthly view of the calendar with highlighted days of events is displayed.

**Test Case:**

**Given** Customers have already booked an event in the resort.

**When** The clerk clicks “calendar view” in the booking schedule page.

**Then** The monthly view of calendar with highlighted days of events is displayed.