**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 reservations 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
* Add Revenue
* View Expenses
* Add Expense
* Summary
* Events Schedule
* Reservation
  + Check Availability
* View Customer Database

**Feature List Acceptance Criteria**

**Revenues**

Viewing and adding of 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.

**Expenses**

Viewing and adding of 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.

**Events Schedule**

A table of dates of the scheduled events will be displayed; the scheduled event’s information can be viewed and edited.

**Reservation**

After the availability of the venues is checked, a reservation form is displayed together with the available venues for the specified dates.

**Check Availability**

The venues are checked if available on some specified dates.

**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 reserve 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 reserve 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 main page, clerk taps “Revenues”.
    2. In the Revenues 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 taps “Revenues” in the main page.

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

***Add Revenues***

**Use Case:**

**Name** – Add Revenues

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

**Actor –** Clerk

**Pre-condition** – Clerk wants to add a new revenue transaction.

**Post-condition** – The new revenue transaction will be recorded.

**Main Course:**

1. In the main page, clerk taps “Revenues”.
2. In the Revenues page, clerk taps “Add”.
3. Clerk fills up Add Revenues form and taps “Save”.

**Test Case:**

**Given** Clerk wants to add new revenue transaction.

**When** The clerk taps “Add” in the Revenue page and fills up the form.

**Then** The new transaction will be recorded.

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

**Test Case:**

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

**When** The clerk taps “Expenses” in the main page.

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

***Add Expenses***

**Use Case:**

**Name** – Add Expenses

**Description** – Adding of the expense transactions with corresponding information.

**Actor –** Clerk

**Pre-condition** – Clerk wants to add a new expense transaction.

**Post-condition** – The new expense transaction will be recorded.

**Main Course:**

1. In the main page, clerk taps “Expenses”.
2. In the Expenses page, clerk taps “Add”.
3. Clerk fills up Add Expenses form and taps “Save”.

**Test Case:**

**Given** Clerk wants to add new expense transaction.

**When** The clerk taps “Add” in the Expenses page and fills up the form.

**Then** The new transaction will be recorded.

***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 taps “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 taps “Proceed”.
       2. The summary for the specified month and year will be displayed.

**Test Case:**

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

**When** The clerk taps “Summary” in the main page.

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

***Events Schedule***

**Use Case:**

**Name** – Events Schedule

**Description** - A list of scheduled 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 taps “Events Schedule”.
  2. In the Event Schedule page, a list of customers and dates of the scheduled events will be displayed.

**Test Case:**

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

**When** The clerk taps “Event Schedule” in the main page.

**Then** The Event Schedule page will be displayed.

***View Event’s Details***

**Use Case:**

**Name** – View Event’s Details

**Description** - Viewing of the scheduled event’s details.

**Actor** – Clerk

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

**Post-condition** – A pop-up will appear displaying the details of the said event.

**Main Course:**

1. In the main page, clerk taps “Events Schedule”.
2. In the Event Schedule page, a table of dates of the scheduled events will be displayed.
3. Clerk taps View beside a specific event.
4. A pop-up will appear displaying the details of the said event.

**Test Case:**

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

**When** The clerk taps View in the “Event Schedule” page..

**Then** A pop-up will appear displaying the details of the said event.

***Edit Event’s Details***

**Use Case:**

**Name** – Edit Event’s Details

**Description** - Editing of the scheduled event’s details.

**Actor** – Clerk

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

**Post-condition** – A pop-up will appear displaying the details of the said event where it can be edited and saved.

**Main Course:**

1. In the main page, clerk taps “Events Schedule”.
2. In the Event Schedule page, a table of dates of the scheduled events will be displayed.
3. Clerk taps Edit beside a specific event.
4. A pop-up will appear displaying the details of the said event where it can be edited.
5. After editing, clerk taps save.
6. The edited details are recorded in the database.

**Test Case:**

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

**When** The clerk taps Edit in the “Event Schedule” page..

**Then** A pop-up will appear displaying the details of the said event where it can be edited and saved.

***Cancel Event***

**Use Case:**

**Name** – Cancel Event

**Description** - Cancelling of the scheduled event.

**Actor** – Clerk

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

**Post-condition** – An event will be cancelled and removed from the Event Schedule page.

**Main Course:**

1. In the main page, clerk taps “Events Schedule”.
2. In the Event Schedule page, a table of dates of the scheduled events will be displayed.
3. Clerk taps Cancel beside a specific event.
4. A pop-up will appear for confirmation.
5. Clerk taps Yes and the event will be cancelled and removed from the Event Schedule page.

**Test Case:**

**Given** The clerk taps Cancel in the “Event Schedule” page..

**When** A pop-up will appear for confirmation.

**Then** Clerk taps Yes and the event will be cancelled and removed from the Event Schedule page.

***Reservation***

**Use Case:**

**Name** – Reservation

**Description** – Reservation of an event of a customer.

**Actor** – Clerk

**Pre-condition** – The availability of the venues is checked.

**Post-condition** – The reservation form together with the available venues is displayed.

**Main Course:**

* 1. In the main page, clerk taps “Reservation”.
  2. Clerk checks the availability of the venues.
  3. The reservation form together with the available venues is displayed.

**Test Case:**

**Given** The availability of the venues is checked.

**When** The clerk fills up the reservation form and taps “Reserve”

**Then** The reservation details is recorded and displayed in “Events Schedule” page.

***Check Availability***

**Use Case:**

**Name** – Check Availability

**Description** – Checking of available venues for a specific date.

**Actor** – Clerk

**Pre-condition** – A customer wants to book an event.

**Post-condition** – The available venues for a specific date is displayed together with the reservation form.

**Main Course:**

1. In the main page, clerk taps “Reservation”.
2. In the Reservation page, clerk inputs the start and end dates for the reservation and taps “Check Availability”.

Exception:

i. There is no available venues for the specified dates.

* + 1. A pop-up error message would appear stating no vacancy for the said dates.
    2. The clerk taps the “Back” button and the Check Availability page is displayed.
  1. Some venues are already booked for the specified dates.

a. The reservation form together with the remaining available venues for the specified dates is displayed.

* 1. The reservation form together with the available venues is displayed.

**Test Case:**

**Given** The availability of the venues is checked.

**When** The clerk fills up the reservation form and taps “Reserve”

**Then** The reservation details is recorded and displayed in “Events Schedule” page.

***Customer’s Database***

**Use Case:**

**Name** – Customer’s Database

**Description** – Checking of available venues for a specific date.

**Actor** – Clerk

**Pre-condition** – A customer wants to book an event.

**Post-condition** – The available venues for a specific date is displayed together with the reservation form.

**Main Course:**

1. In the main page, clerk taps “Reservation”.

1. In the Reservation page, clerk inputs the start and end dates for the reservation and taps “Check Availability”.

Exception:

i. There is no available venues for the specified dates.

* + 1. A pop-up error message would appear stating no vacancy for the said dates.
    2. The clerk taps the “Back” button and the Check Availability page is displayed.

1. The reservation form together with the available venues is displayed.

**Test Case:**

**Given** The availability of the venues is checked.

**When** The clerk fills up the reservation form and taps “Reserve”

**Then** The reservation details is recorded and displayed in “Events Schedule” page.

***View Customer’s Details***

**Use Case:**

**Name** – Viewing Customer’s Details

**Description** – Viewing of customer’s details.

**Actor** – Clerk

**Pre-condition** – The clerk wants to view customer’s information.

**Post-condition** – The customer’s information will be displayed in the “customer’s details” dialog box.

**Main Course:**

* + - * 1. In the customer’s database page, clerk clicks “view”.
        2. A dialog box will then appear displaying all the information of the customer together with the booked events.

**Test Case:**

**Given** Customers already booked an event.

**When** The clerk clicks “view” in the customer’s database page.

**Then** Customers’ information together with the booked events will be displayed.

***Edit Customer’s Details***

**Use Case:**

**Name** – Editing Customer’s Details

**Description** – Editing of customer’s details.

**Actor** – Clerk

**Pre-condition** – The clerk wants to edit customer’s information.

**Post-condition** – Changes in the customer’s information will be recorded.

**Main Course:**

1. In the customer’s database page, clerk taps “Edit”.
2. A dialog box will then appear displaying all the information of the customer together with the booked events.
3. The clerk can change the customer’s information in the dialog box and taps “Save”

**Test Case:**

**Given**

Customers already booked an event.

**When**

The clerk taps “Edit” in the customer’s database page.

**Then**

Customers’ information together with the booked events will be displayed and can be edited.