Online Car Dealer System

Professor

Team Members

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# 1. Introduction

(Johann)

# 2. Current system

Ask Professor what should go here.(Johann Henao)

# 3. Proposed system

## 3.1 Overview

(Johann)

## 3.2 Functional requirements

(Johann)

## 3.3 Nonfunctional requirements

(Johann)

## 3.4 Constraints (“Pseudo requirements”)

(Johann)

## 3.5 System models

(What should go here?)

## 3.5.1 Scenarios

(What should go here?)

## 3.5.2 Use case model

Use Case 1

* Name: Login
* Actor: User/Admin
* Entry Condition:
  + User/Admin must be at the login web page of Sunshine Online Car Dealer System.
  + User/Admin has a valid username and password.
* Event Flow:
  + User/Admin input username and password into the Login web page.
  + Sunshine Online Car Dealer System match username/password entered with list of stored users/admin.
  + Sunshine Online Car Dealer System logs User/Admin into the system.
  + User/Admin are redirected to home/index web page or into the requested page showing a logged in status.
* Exit Condition: User/Admin is logged into Sunshine Online Car Dealer System.
* Exceptions:
  + Cancel
  + “Wrong Username/Password”
  + “No connectivity”

Use Case 2

* Name: Purchase A Car
* Actor: User
* Entry Condition:
  + User must be at a web page of Sunshine Online Car Dealer System displaying a list of cars.
  + User must be logged in.
* Event Flow:
  + User selects car to be purchased.
  + Sunshine Online Car Dealer System displays the car details including price.
  + User selects Purchase option.
  + User enters the credit card information to purchase the selected car.
  + Sunshine Online Car Dealer System shows a confirmation web page with transaction details and delivery date.
* Exit Condition: User purchased a car.
* Exceptions:
  + Cancel
  + Invalid Credit Card Information
  + Sold to another faster customer

Use Case 3

* Name: Edit Cars
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page with the “Edit Cars” function
* Event Flow:
  + Admin choose to do “Edit Cars”
  + Edit the information of the cars in the inventory
  + Submit to update the car’s information
* Exit Condition: Admin updated car information.
* Exceptions:
  + Cancel
  + Repeated Unique values

Use Case 4

* Name: Add User
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page with the “Add User” function
* Event Flow:
  + Admin choose to do the “Add User”
  + Enter the information of the new user that needs to be added
  + Submit it to create the new user
* Exit Condition: A new user is created in the system.
* Exceptions:
  + Cancel
  + “Username already exists”

Use Case 5

* Name: Edit User Profile
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page with the “Edit User Profile” function
* Event Flow:
  + Admin choose to edit a User’s Profile
  + Edit the information of the selected User
  + Submit to update the user’s information
* Exit Condition: Admin updated user’s profile information.
* Exceptions:
  + Cancel
  + Repeated Unique values

Use Case 6

* Name: Add A Car
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page with the “Add A Car” function
* Event Flow:
  + Admin selects the “Add A Car” function
  + Enter the information of the new car that needs to be added
  + Submit it to create the new car
* Exit Condition: A new car is added in the system.
* Exceptions:
  + Cancel
  + Repeated Unique values

Use Case 7

* Name: Remove A Car
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page of a list of cars with the “Remove” function
* Event Flow:
  + Admin selects the car needs to be removed
  + Select the “remove” function
  + System asks to confirm to do the remove
  + Admin confirm to remove the car
* Exit Condition: The selected car is removed from the system.
* Exceptions:
  + Cancel

Use Case 8

* Name: Remove A User
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the page of a list of users with the “Remove” function
* Event Flow:
  + Admin selects the user needs to be removed
  + Select the “remove” function
  + System asks to confirm to do the remove
  + Admin confirm to remove the user
* Exit Condition: The selected user is removed from the system.
* Exceptions:
  + Cancel

Use Case 9

* Name: Search for A Car
* Actor: Guest/User
* Entry Condition:
  + On the home page of Sunshine Online Car Dealer System
* Event Flow:
  + Guest/User select desired car from the detail fields
  + Guest/User submit to search
  + Sunshine Online Car Dealer System displays a list of cars
* Exit Condition: Guest/User has a page displaying a list of cars.
* Exceptions:
  + “No cars found.”

Use Case 10

* Name: Register
* Actor: User
* Entry Condition:
  + User must be at the registration web page of Sunshine Online Car Dealer System.
  + User has an email account and residence address.
* Event Flow:
  + User input personal information (First name, last name, email, username, password, billing address, shipping address).
  + User submits the information to register.
  + Sunshine Online Car Dealer System checks if username or email is not taken, and creates a new user account.
  + User is redirected to home page showing a logged in status.
* Exit Condition: User has an account in Sunshine Online Car Dealer System.
* Exceptions:
  + Cancel

Use Case 11

* Name: Update own Profile
* Actor: User/Admin
* Entry Condition:
  + User/Admin must be logged in.
  + User/Admin must be on customer profile web page of Sunshine Online Car Dealer System.
* Event Flow:
  + User/Admin selects update account information option.
  + User/Admin edit the personal information desired to update.
  + Submit to update its own information.
  + User/Admin is redirected to customer profile web page showing a logged in status.
* Exit Condition: User/Admin has updated its own profile.
* Exceptions:
  + Cancel
  + Repeated Unique values

Use Case 12

* Name: Generate Sales Report
* Actor: Admin
* Entry Condition:
  + Logged in as admin
  + On the admin home page with the “Generate Sales Report” function
* Event Flow:
  + Admin selects the date range of the desired report.
  + Select the “generate” function
  + System displays the sales report in the date range.
* Exit Condition: The system displays the sales report.
* Exceptions:
  + Cancel

## 3.5.3 Object model

(Roger)

### 3.5.3.1 Data dictionary

(Roger)

### 3.5.3.2 Class diagrams

(Roger)

## 3.5.4 Dynamic models

(Sequence Diagrams)

(Ariel / Johann)

## 3.5.5 User interface

(Roger)

# 4. Glossary

Yang (Terminology)