# **CSC 470 Fall 2024 Team Project --**

**SUBMISSION 3 >>>>>>>>>>>>>>>>>>>>>>>> Due date: Friday 11/22**

* **Items that should be documented and submitted are marked with\* below. The weight of each component is in parenthesis.**
* **This is continuation of your team project submission 2. Each team remains the same and submits one copy in Word on Canvas.**
* **Your team must use a UML tool for all the design work. Handwriting is not accepted.**

**Basic Requirements (10%):**

* Your project document should have a cover page with team member names and be followed by a page of content index in which each of items below clearly labeled and indexed\*
* At the end of the document, it also includes **a detailed work log\*** of teamwork, i.e., task assignments of each team member; team meetings and other activities, GitHub commit lists; etc.
* In each team meeting, especially when working on Part 5 below, assign one member to be the Facilitator (who reads questions), the second to be the Recorder (who writes down answers), the third to be the Moderator (who summarizes answers), the fourth and the fifth to be the Reviewers (who verify/test answers). Record them in the work log in your submission. The role assignment can be rotated. \*

**Project Deliverables (100%)**

* Iterate your previous submissions. Revise them to improve the design.
* Run test cases on the following pages, as we are doing test-driven-development.

**(See next page)**

**Car Rental System (CRS) Test Cases**

* Please copy these cases and tables in your submission. **For some test cases, if your previous design does not have the corresponding use cases, you’ll need to add them to your design**.
* Points are assigned as in parentheses.
* Fill in a table in the column of “Pass” with Y (passed), N (not passed), N/A (not available), or other textual notes. Fill in other columns as needed.
* Add screenshots following each test case to explain system outputs. If a failure is expected, explain what error messages are.
* You may add any new test cases when appropriate which will count as extra credit. Please mark (extra) for any new test cases so you will get extra credit.

1. Login/Logout as Staff (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Valid username accepted | Mjin |  |  |  |
| Valid password accepted | \*\*\*\*\*\*\*\*\*\* |  |  |  |
| Invalid username warned | Abs#dkx23 |  |  |  |
| Wrong password warned | \*\*\*\*\*\* |  |  |  |
| Forgot username/password |  |  |  |  |
| Logout link as expected |  |  |  |  |

2. Login/Logout as Admin (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Valid username accepted | Mjin |  |  |  |
| Valid password accepted | \*\*\*\*\*\*\*\*\*\* |  |  |  |
| Invalid username warned | Abs#dkx23 |  |  |  |
| Wrong password warned | \*\*\*\*\*\* |  |  |  |
| Forgot username/password |  |  |  |  |
| Logout link as expected |  |  |  |  |

3. Staff Manages Customer Account (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Add New with sufficient data |  | Confirmation of the customer # with initial S |  |  |
| Add New with insufficient data |  | Error |  |  |
| Modify Existing | Customer # | Successful |  |  |
| Modify Existing | Customer # | Unsuccessful |  |  |
| Delete Existing | Customer # | Confirmation |  |  |

4. Admin Manages Car Account (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Add new car as available to rent |  | Generated Car# with initial C |  |  |
| Add new car as unavailable to rent |  | Generated Car# with initial C |  |  |
| Modify info for existing | Car # | Confirmation |  |  |
| Modify info for existing | Car # | Error | The car is not found |  |
| Delete an account | Car # | Confirmation |  |  |

5. Staff makes a car rental reservation for an existing customer (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| A car is available | All required fields | Confirmation with the reservation # | Successful |  |
| A car is not available | All required fields | No reservation is made | Unsuccessful |  |
| Insufficient data entered | Missing some fields | Error message | Unsuccessful |  |

6. Check Car Availability (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Search by Model | Model | Available or not | May be called in Test Case #5 |  |
| Search by Make | Make | Available or not | As above |  |
| Search by Dates | Dates | Available or not | As above |  |

7. Customer Picks up a Rental car (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Sufficient data provided | Reservation # | Reservation is updated and a bill is generated and/or paid | Successful; |  |
| Insufficient data provided | Not enough info | Error messages | Unsuccessful |  |

8. Customer Returns a Rental Car (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Sufficient data provided | All required fields | Reservation is updated and a bill is generated and/or paid | Successful |  |
| Insufficient data provided | Not enough info | Error messages | Unsuccessful |  |

9. Staff Generates a Bill upon the customer returns a car (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Display the bill unpaid | Reservation # | Bill displayed | May be called in Test Case #8 |  |
| Display the bill paid | Reservation # | Bill displayed | As above |  |

10. Admin/Staff generates a rental report for a specified time (10%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Value Entered** | **Result** | **Comments** | **Pass** |
| Report of all cars rented | Dates | Report |  |  |
| Report of all cars in-house | Dates | Report |  |  |
| Report of the revenue | Dates | Report |  |  |