**Vanier College**

**Faculty of Science and Technology**

**APPLICATION DEVELOPMENT 1**

**420-942-VA sect. 01222**

**Deliverable 2**

**Car Rental Management System**

**2023/10/17**

**Shaojun Jiang**

**Li Fan**

**Instructor: Kawser Wazed Nafi**

We certify that this assignment is our own work

I, Shaojun Jiang, student ID# 2395049, certify that I have contributed to this deliverable,

S.J.

I, Li Fan, student ID# 2395027, certify that I have contributed to this deliverable,

L.F.

Project Title

**Car Rental Management System**

Work In progress

***Work Finished (55% of total)***

1. Database built up with mock-up data filled in
2. Register page design and implemented
3. Login page design and implemented

**User Registration:** Customers can create an account by providing all the required information. Predefined functions validate the data format and provide alerts for corrections if needed. Clear reminders of the required data format are also displayed within the input boxes**.**

**Login Page:** Registered customers can login their account from this page, then they can perform car selection , reservation and payment .

A screen shot of a login screen

Description automatically generated

A screenshot of a computer

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A screen shot of a computer

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Tools Finalized

1. WPF . Net Framework : version 4.7.2
2. Database: PostgreSQL version 15
3. Other tools: pgAdmin 4, DataGrip version 2023.1.2. We primarily use pgAdmin 4 and DataGrip version 2023.1.2 for managing our database.

Plan Details:

Week 1: 16-20 Oct

* Add admin control page and its functionality.
* Add customer car selection page.

Week 2: 23-27 Oct

* Add inventory control page.
* Beautify front end.
* Create REST API

Week 3: 30 Oct – 3 Nov

* Migrate Postgre database to REST API based database.

Week 4: 6 – 10 Nov

* Generating the test programs.

**Contributions:**

Team member: Li Fan 2395027 (50%)

Shaojun Jiang 2395049 (50%)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Task  Team  member | *User Interface Design* | *Registration page functionality* | Login page functionality | Database refactor | Mock-up Data | Deliverable report |
| Li Fan | √ |  | √ |  |  | √ |
| Shaojun Jiang |  | √ |  | √ | √ |  |