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EEET2482 Software Engineering Design

COSC2082 Advanced Programming Techniques

Semester 2, 2023

Assignment Report

**APP FOR MOTORBIKE RENTAL**

**Lecturer**: Dr. Ling Huo Chong

**Team Members:**

Full Name (student number)

Full Name (student number)

Full Name (student number)

**Date** :

# I. INTRODUCTION

*Provide a brief introduction to the topic and the report.*

# II. APPLICATION DESIGN AND DEVELOPMENT

## **1. Software Design (Class Diagram)**

*From the application description, provide class diagram and description/ explanation as below:*

Class Diagram:

*Provide the class diagram here*

Description of Each Class:

*Provide descriptions for each class using the table below:*

|  |  |  |  |
| --- | --- | --- | --- |
| Class: class name | Name and Data type | Description | Reason/Explanation (*why we need it as an attribute/ method*). |
| Attribute(s) |  |  |  |
|  |  |  |
| …… |  |  |
| Method(s) |  |  |  |
|  |  |  |
| …… |  |  |

Class Relationships:

*Describe/explain the relationships between classes.*

*Example:*

* Class A is a Composition part of Class B:

………….explanation…………

* Class C depends on Class D:

…………explanation………….

## **2. Implementation Result**

*Describe implementation results with proofs (screenshot pictures), and discuss any limitation if it has.*

**a. Welcome Screen**

Result Summary:

Screenshots of Sample Result:

**b. Basic Features**

Result Summary:*Fill in the table below*

|  |  |  |  |
| --- | --- | --- | --- |
| Feature Name | Feature Description | Status (*Implemented/  Not Implemented*) | Bugs/Limitations if it has |
| 1. Non-member does registration | A non-member can register to become a member (information is recorded). |  |  |
| 2. Non-member view all motorbike details | A non-member can view all motorbike details (but not their reviews). |  |  |
| ………….. | ………….. |  |  |
|  |  |  |  |
|  |  |  |  |

Screenshots of Sample Result (for each feature):

**c. Time Period Feature**

Result Summary:

Screenshots of Sample Result:

# IV. DISCUSSIONS & CONCLUSIONS

* Short conclusions on the final results.
* Does the implementation match with the design (class diagram)? Do you find it helpful when having a design before and during the implementation? Do you update the design along the way when you do implementation (writing the code)?
* Last but not least, shortly reflect on what you have learnt through this assignment and how it can benefit your future study/career.

# V. REFERENCES (USE IEEE STYLES)