|  |  |
| --- | --- |
|  | **FPT ACADEMY INTERNATIONAL**  **FPT – APTECH COMPUTER EDUCATION** |

**Centre Name: ACE-HCMC-2-FPT.**

**Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.**

**SHOP&P**

|  |  |  |
| --- | --- | --- |
| **Supervisor:** | MR. HOANG DUC QUANG | |
| **Semester:** | 4 | |
| **Batch No:** | T1.2005.E1 | |
| **Group No:** | 2 | |
| **Order:** | **Full name** | **Roll No.** |
| 1. | NGUYEN HOANG PHU | Student1262866 |
| 2. | DAO LE DUONG |  |
| 3. | LE HONG SON |  |
| 4. | NGUYEN MINH DUY |  |

April 2022

**Contents:**

This is to certify that

Mr. Nguyen Hoang Phu

Mr. Le Hong Son

Mr. Dao Le Duong

Mr. Nguyen Minh Duy

Have successfully: Designed & Developed

SHOP&P

Submitted by:

Mr. Hoang Duc Quang

Date of Issue:

Authorized Signature:



**REVIEW I 1**

**I. Acknowledgment 2**

**II. Problem Definition 3**

1. Introduction 3

2. Project Requirement 3

3. Project Designing 4

4. Functional Logic 5

5. Hardware / Software Requirements 6

**Task sheet review 1 8**

**REVIEW II 9**

Architecture & Design of the Project 10

**I. Data Flow Diagram** 12

1. Context Diagram 13

2. Level 0 Diagram 13

3. Level 1 Diagram 14

3.1 Login 14

3.2 Manage 14

3.3 Allot 15

3.4 Sale 15

**II. Use Case Diagram 16**

1. Company use case 16

2. Customer use case 17

3. Dealer use case 18

**III. Sequence Diagram 19**

1. Dealer login sequence 19

2. Dealer purchase vehicle from company sequence 21

3. Dealer sale to customer sequence 23

4. Dealer check reports sequence 25

**IV. Entity Relationship Diagram 26**

1. Logical ERD 26

2. Physical ERD 27

**V. Table Design 28**

1. Branch 28

2. Vehicle 28

3. Service 28

4. Status Order 29

5. Dealer 29

6. Customer 29

7. Showroom Vehicle 30

8. Warehouse Vehicle 30

9. Order 30

10. Order Detail 31

**Task Sheet Review II 32**

**REVIEW III 33**

**1. Login 34**

**2. Statistical 34**

**3. Order 35**

3.1 Order list 35

3.2 Create order sale 35

3.3 Create order purchase 36

3.4 Update status 36

**4. Showroom vehicle 37**

4.1 Showroom vehicle list 37

4.2 Register new showroom vehicle 37

**5. Company Vehicle 38**

**6. Dealer 38**

6.1 Dealer list 38

6.2 Dealer update 39

6.3 Register new dealer 39

**7. Customer 40**

7.1 Customer list 40

7.2 Customer update 40

**8. More 41**

**Task Sheet Review III 42**

**REVIEW 1**

**I Acknowledgement**

It is often said that “Gratitude is the sign of noble souls”. That’s why we devote this chapter to express our deep gratitude towards those who have supported and guided us to accomplish this Project successfully.

First and foremost, we appreciate the invaluable assistance that our beloved instructor – Mr. Ngo Phuoc Nguyen, has offered us. Whenever problems come up, he’ll always the one that we can count on for solutions. Moreover, there were moments when our team decided to give up our project, and Mr. Nguyen gave us a pep talk to keep us back on the track. Therefore, once again, we truly value your dedication and guidance, Mr. Nguyen.

Next, it would have been impossible to carry out and complete this project without the collaboration among our team members. Although we have gone through many obstacles during the project implementation, eventually we gained what we aimed at by our hard work, our strong commitment and of course, our brotherhood. Finally, thanks to Aptech’s Project assignment, we had a golden opportunity to apply what we have learnt into reality and gain hands-on experience which is essential for our future career.

**II. Problem Definition**

**1. Introduction**