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|  | **MINISTRY OF EDUCATION AND TRAINING** |

**FPT UNIVERSITY**

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| Capstone Project Document | |
| **Face Detection For Delivery Payment** | |
| **Group 5 - IS** | |
| **Group members** | Nguyễn Văn Hiếu – SE61961 (Leader)  Đinh Phú Thắng – SE62528  Trần Trọng Nghĩa – SE62278  Nguyễn Hữu Lâm– SE61234 |
| **Supervisor** | Nguyễn Huy Hùng |
| **Ext. Supervisor** | N/A |
| **Project Code** | FDDP |

– **Ho Chi Minh City, 20 January 2019** –

# Software Requirement Specification

1. **User Requirement Specification**
   1. **Guest Requirement**

Guest is a person who doesn’t have access to the system. Guest can use some functions in the system. To use all functions, guest must login. These are some functions guest can use:

* Register.
* Login-Log out.
* View store list.
* View store detail.
* View product list.
* View product detail.
* Add to cart.
  1. **User Requirement**
* Make a payment for order.
* Feedback.
* Cancel order.
  1. **Admin Requirement**
* Manage user
  + - * + Search User.
        + View detail of user.
        + Send email to user.
* Manage order
  + - * + Search Order.
        + View detail of order.
        + Cancel order.
* Manage shipper
  + - * + Search shipper.
        + View detail of user.
        + Edit-Update detail of user.
        + Send email to shipper.
* Manage feedback
* View feedback.
* Manage store
  + - * + Search store.
        + View detail of store.
        + Add new store.
        + Deactive store.
* Manage product
  + - * + Search product.
        + View detail of product.
        + Add new product.
        + Deactive product.
        + Delete product.
  1. **Shipper Requirement**
* Search order.
* Select order.
* View detail of order.
* View detail of store.
* View detail of product.
* Cancel order.
* Call user (customer).

1. **System Requirement Specification**

## **2.1 External Interface Requirement**

### **2.1.1 User Interface**

### **2.1.2 Hardware Interface**

* Smartphone with NFC, 3-4G, Wi-Fi support.
* Smartphone with good camera to support face detection of system.

### **2.1.3 Software Interface**

* Mobile phone should use android OS version above 6.0.
* Web application: work with Firefox, Chrome, Internet Explorer browsers.
* Website for user with responsive, easy to use with many devices.

### **2.1.4 Communication Protocol**

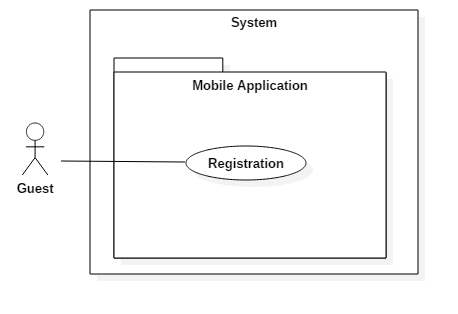
* Http protocol.

## **2.2 System Overview Use Case**

### https://trello-attachments.s3.amazonaws.com/5c32eaa683e37a5eb0c6924a/5c40066c0ebdb0561a772eee/bff03a49bafbcda8beb2777878c814ab/useCaseOverView_Final.jpg**Figure 2: System Overview Use Case**

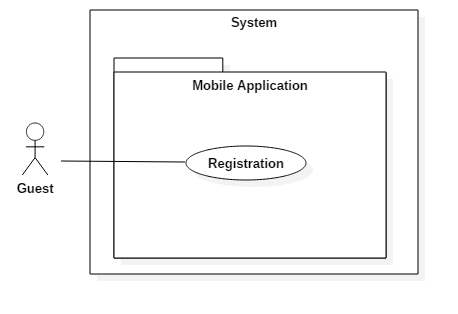
## **2.3 List of Use Case**

### **<Guest> Overview Use Case**



### **Figure 3: Guest Overview Use Case**

* + - 1. **<Guest> Register Account**



### **Figure 4: Guest Registration Use Case**

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| **USE CASE – UC\_G.01** | | | | | | |
| **Use Case No.** | | UC\_G.01 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Register new account | | | | |
| **Author** | |  | | | | |
| **Date** | | 3/3/2019 | | **Priority** | High | |
| **Actor:**   * Guest   **Summary:**   * This use case allows guest to register new account for using system.   **Goal:**   * Guest have new account to use system.   **Triggers:**   * Guest send register command on mobile application.   **Preconditions:**   * N/A   **Post Conditions:**   * Success: Send * Fail:   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Guest goes login view. | | System requires identity information from Guest:   * Mobile: number text input, required, length 10-11. * Password: free text input, required, length 8-20. * Login: button, required. * Sign Up: link to register page, required. | | | |
| 2 | Guest press “Sign Up” link | | System requires identity information from Guest:   * Mobile phone: (+84) number text input, required, length 10-11. * Password: free text input, required, length 8-20. * Email: free text input, required, length 3-250. * Birthdate: date time input, required. * Sign Up: button, required. | | | |
| 3 | Guest inputs information | |  | | | |
| 4 | Guest send command to register account for system. | | System validate information, display contract details and requires for confirmation.  [Exception 1,2,3] | | | |
| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Guest send command to create new account. | | System shows error message to ask user input missing required fields. | | | |
| 2 | Guest’s phone is existed in the system. | | Show message to notify guest that their phone is existed in system. | | | |
|  |  | |  | | | |
| **Relationships:**  **Business Rules:** | | | | | | |

### **2.3.2 <User> Overview Use Case**

1. **<User>**

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| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_** | | | | | | |
| **Use Case No.** | | UC\_ | | **Use Case Version** | | 1.0 |
| **Use Case Name** | |  | | | | |
| **Author** | |  | | | | |
| **Date** | |  | | **Priority** |  | |
| **Actor:**  **Summary:**  **Goal:**  **Triggers:**  **Preconditions:**  **Post Conditions:**  **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Relationships:**  **Business Rules:** | | | | | | |

1. **<User>**

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| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_** | | | | | | |
| **Use Case No.** | | UC\_ | | **Use Case Version** | | 1.0 |
| **Use Case Name** | |  | | | | |
| **Author** | |  | | | | |
| **Date** | |  | | **Priority** |  | |
| **Actor:**  **Summary:**  **Goal:**  **Triggers:**  **Preconditions:**  **Post Conditions:**  **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Relationships:**  **Business Rules:** | | | | | | |

1. **<User>**

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| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_** | | | | | | |
| **Use Case No.** | | UC\_ | | **Use Case Version** | | 1.0 |
| **Use Case Name** | |  | | | | |
| **Author** | |  | | | | |
| **Date** | |  | | **Priority** |  | |
| **Actor:**  **Summary:**  **Goal:**  **Triggers:**  **Preconditions:**  **Post Conditions:**  **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Relationships:**  **Business Rules:** | | | | | | |

1. **<User>**

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| **USE CASE – UC\_** | | | | | | |
| **Use Case No.** | | UC\_ | | **Use Case Version** | | 1.0 |
| **Use Case Name** | |  | | | | |
| **Author** | |  | | | | |
| **Date** | |  | | **Priority** |  | |
| **Actor:**  **Summary:**  **Goal:**  **Triggers:**  **Preconditions:**  **Post Conditions:**  **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
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| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Relationships:**  **Business Rules:** | | | | | | |

### **<Admin> Overview Use Case**

1. **<Admin> View list of admins**
2. **<Admin> Search admin**
3. **View data of admin**
4. **View list of users**
5. **Search user with all field**
6. **View data of user**
7. **View list of shippers**
8. **Search shipper**
9. **Add new shipper**
10. **Deactive shipper**
11. **Select shipper on list and deactive list.**
12. **View order list by day**
13. **Search order**
14. **Cancel order**
15. **Select order on list and cancel list**
16. **View list of store partners**
17. **Search store**
18. **View data of store**
19. **Add new store**
20. **Deactive store**
21. **Deactive store selected**
22. **View list of products of store**
23. **Search product with all field**
24. **View data of product**
25. **Add new product depend on store**
26. **Deactive product or list of products**
27. **Delete product or list of products**
28. **View feedback from users**
29. **Make feedback for shipper**

### **2.3.4 <Shipper> Overview Use Case**

1. **Software System Attribute**

**3.1 Usability**

**3.2 Reliability**

**3.3 Availability**

**3.4 Security**

**3.5 Maintainability**

**3.6 Portability**

**3.7 Performance**

1. **Conceptual Diagram**

**Data Dictionary**

|  |  |  |
| --- | --- | --- |
| **Entity Data Dictionary: Describe content of all tables** | | |
| **No.** | **Table Name** | **Description** |
| 1 | Fr\_account | Contain account information |
| 2 | Fr\_city | Contain city information |
| 3 | Fr\_district | Contain district data of city |
| 4 | Fr\_order | Contain data of order’s list |
| 5 | Fr\_order\_detail | Contain data of order |
| 6 | Fr\_payment\_information | Contain data of payment |
| 7 | Fr\_payment\_type | Type of payment |
| 8 | Fr\_price\_level | Select price level for shipper |
| 9 | Fr\_product | Contain data of every product of store |
| 10 | Fr\_rating | Contain data rating of account for product and store |
| 11 | Fr\_role | Contain data role of member |
| 12 | Fr\_schedule | Contain open and close time of store |
| 13 | Fr\_shipper | Contain data of shipper |
| 14 | Fr\_source | Contain source of data |
| 15 | Fr\_store | Contain data of store |
| 16 | Fr\_weekday | Contian id for everyday (Monday, Tuesday, Sunday,…) |