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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**

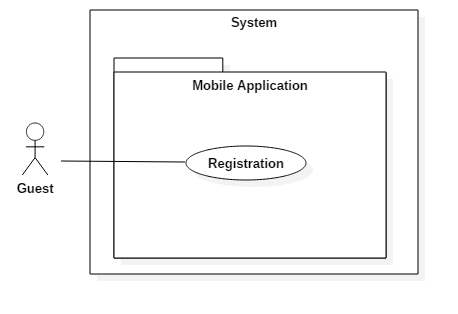
* Http protocol.

## **2.2 System Overview Use Case**

### Figure 2: System Overview Use Case

## **2.3 List of Use Case**

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



### Figure 3: <Guest> Registration Use Case

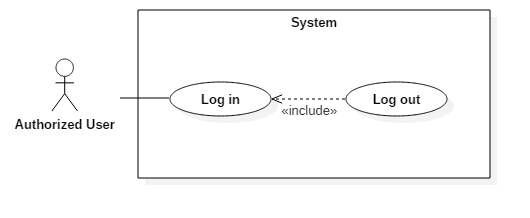
### **2.3.1.1 <Guest> Register Account**

### Figure 4: <Guest> Registration Use Case

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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-Customer   **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 to 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 press “Sign Up” button. | | System show message  “Notification.  We want to add your face for payment. Do you want to continue sign up?” | | | |
| 5 | Guest press “Add” button. | | System change to camera screen to shot face of customer. | | | |
| …. | ….. | | ….. | | | |
| ….. | Guest send command to register account for system. | | System validate information, display contract details and requires for confirmation.  [Exception 1,2,3,4,5] | | | |
| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **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. | | | |
| 3 | Guest’s email is existed in the system | | Show message to notify guest that their email is existed in system. | | | |
| 4 | Guest’s birthdate does not exist | | Show message to notify birthdate does not exist. | | | |
| 5 |  | | System shows error message “Your connection is lost” when the internet is lost. | | | |
| 6 | Camera not work. | | System show “Your camera does not work.” | | | |
| **Relationships:** N/A  **Business Rules:**   * Password are encrypted before being sent to database. | | | | | | |

### Table : <Guest> Registration Use Case

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

Figure 5: < Authorized User > Overview Use Case

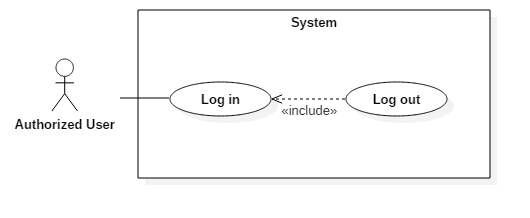
### **2.3.2.1< Authorized User> Log in**

### Figure 6: < Authorized User > Log in

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_AU.01** | | | | | | |
| **Use Case No.** | | UC\_AU.01 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Log in | | | | |
| **Author** | |  | | | | |
| **Date** | | 3/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Authorized User   **Summary:**   * This use case allows guest to log in for using system.   **Goal:**   * Authorized User log in for using system.   **Triggers:**   * Authorized User send log in command on mobile application (Customer, Shipper) or web application (Admin).   **Preconditions:**   * N/A   **Post Conditions:**   * Success: Guest login the system. * Fail: Show error message.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Guest goes to 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 inputs information. | |  | | | |
| 3 | Guest send command to login to system. | | Guest will login system with their specific role.  [Alternative 1]  [Exception 1] | | | |
| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Guest enter wrong identity information | | Wrong identity information, System shows error message. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 |  | | System shows error message “Your connection is lost” when the internet is lost. | | | |
| **Relationships:** N/A  **Business Rules:**   * Password are encrypted before being sent to database. * After login to system, guest will be redirected to specific based on their role on the system. * Mobile Application * If role is “Customer”, the system will display to Customer view. * If role is “Shipper”, the system will display to Shipper view. * Web Application * If role is “Admin”, the system will display to Admin view. | | | | | | |

### Table : <Authorized User > Log in

### **2.3.2.2< Authorized User> Log out**



### Figure 7: < Authorized User > Log out

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_AU.01** | | | | | | |
| **Use Case No.** | | UC\_AU.02 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Log out | | | | |
| **Author** | |  | | | | |
| **Date** | | 3/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Authorized User   **Summary:**   * This use case allows guest to log out for using system.   **Goal:**   * Authorized User log out for using system.   **Triggers:**   * Authorized User send log in command on mobile application (Customer, Shipper) or web application (Admin).   **Preconditions:**   * N/A   **Post Conditions:**   * Success: Log out successful. * Fail: N/A   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
|  |  | |  | | | |
|  |  | |  | | | |
| **Alternative Scenario**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Relationships:** N/A  **Business Rules:** | | | | | | |

### Table : <Authorized User > Log out

### **2.3.3 <Customer> Overview Use Case**

### **2.3.3.1 < Customer > View List of admins**

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

### **2.3.3.1 <Shipper> View List of admins**

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

### Figure : < Admin > Overview Use Case

### **2.3.4.1 <Admin> View list of Admins**

### Figure : < Admin> View list of Admins

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.01** | | | | | | |
| **Use Case No.** | | UC\_A.01 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View List of Admins | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view list of account of admins.   **Goal:**   * Admin sees list of admin’s accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “Admin” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of admins on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Account” link. | |  | | | |
| 3 | Admin goes to “Admin” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Deactive”: button, required. * “Search”: text area, required.   + “Username”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> View list of Admins

### **2.3.4.2 <Admin> Search Admin**

### Figure : < Admin> Search Admins

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.02** | | | | | | |
| **Use Case No.** | | UC\_A.02 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Search Admin | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to search account of admins.   **Goal:**   * Admin sees data of admin’s accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “Admin” link. * Admin input data of account’s admin to search.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of admins on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Admin” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Deactive”: button, required. * “Search”: text area, required.   + “Username”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
| 2 | Admin input data to search text area | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Deactive”: button, required. * “Search”: text area, required.   + “Username”: phone number, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Deactive” button. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> Search Admin

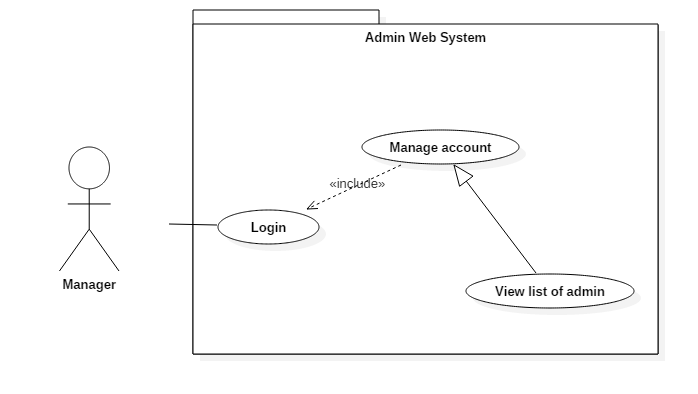
### **2.3.4.3 <Admin> Add new Admin**

### Figure : < Admin> Add new Admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.03** | | | | | | |
| **Use Case No.** | | UC\_A.03 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Add new Admin | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to add account for new admins.   **Goal:**   * Admin add new data of admin’s accounts successful.   **Triggers:**   * Admin press “Add new” on “Admin” manage screen. * Admin input new data of account admin. * Admin press “Save” button.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Reload list of admins with new data of account. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Admin” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Deactive”: button, required. * “Search”: text area, required.   + “Username”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
| 2 | Admin press “Add new” button. | | * System will show modal: * “Username”: phone number, text, length 10-11, require. * “Password”: text area, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Email”: text area, required. * “Nation Id Card”: text area, required. * “Date of issue”: date time, required. * “Note”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 3 | Admin enter new data of admin. | |  | | | |
| 4 | Admin click “Save” button. | | * System check valid data.   [Exception 1,2,3,4]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The password is not correct according to the form. | | Show message “Password must be at least 8 characters”. | | | |
| 3 | The email is not correct according to the form. | | Show message “Email must be email@example.com”. | | | |
| 4 | Date of Birth/  Date of issue does not exist. | | Show message “Date not exist” | | | |
| **Relationships:** N/A  **Business Rules:**   * When add new admin successful, status of product is new with role is “admin”. | | | | | | |

### Table : <Admin> Add new Admin

### **2.3.4.4 <Admin> View detail of Admin**



### Figure : < Admin> View Detail of Admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.04** | | | | | | |
| **Use Case No.** | | UC\_A.04 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Admin | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail account of admins.   **Goal:**   * Admin view detail account of admins.   **Triggers:**   * Admin lick row of list of admin. * System show data of admin.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of admin on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of admin. | | * System will show modal: * “Username”: phone number, text, length 10-11, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Email”: text area, required. * “Nation Id Card”: text area, required. * “Date of issue”: date time, required. * “Note”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

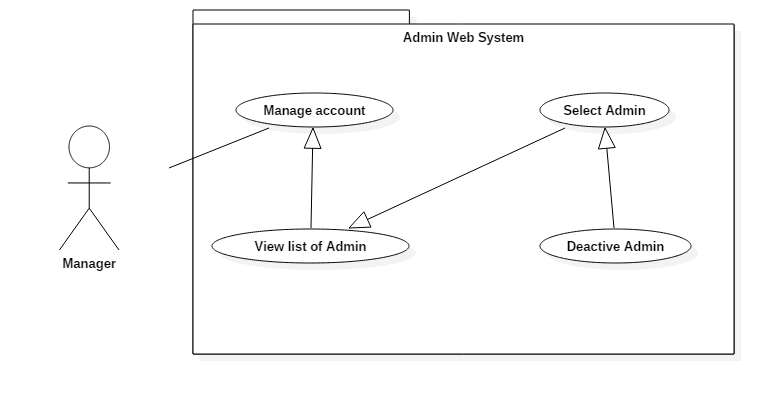
### Table : < Admin> View Detail of Admin

### **2.3.4.5 <Admin> Edit Admin**

### Figure: < Admin> Edit Admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.05** | | | | | | |
| **Use Case No.** | | UC\_A.05 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Edit Admin | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to edit account of admins.   **Goal:**   * Admin edit account of admins.   **Triggers:**   * Admin lick row of list of admin. * System show data of admin. * Admin edit data and press “Save”. * System saves.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of admin on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of admin. | | * System will show modal: * “Username”: phone number, text, length 10-11, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Email”: text area, required. * “Nation Id Card”: text area, required. * “Date of issue”: date time, required. * “Note”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 2 | * Admin enter edit data of account. | |  | | | |
|  | * Admin press “Save” button. | | * System check valid data.   [Exception 1,2,3,4]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The password is not correct according to the form. | | Show message “Password must be at least 8 characters”. | | | |
| 3 | The email is not correct according to the form. | | Show message “Email must be email@example.com”. | | | |
| 4 | Date of Birth/  Date of issue does not exist. | | Show message “Date not exist” | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> Edit Admin

**2.3.4.6 <Admin> Deactive Admin**

### Figure: < Admin> Deactive Admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.06** | | | | | | |
| **Use Case No.** | | UC\_A.06 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Deactive Admin | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to deactive account of admins.   **Goal:**   * Admin deactive account of admins.   **Triggers:**   * Admin lick row of list of admin. * Admin press “Deactive”.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Reload page. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin press “Deactive” on action group | | * System will change status of admin’s account. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:**   * If admin is deactive, status is banned. | | | | | | |

### Table : < Admin> Deactive Admin

### **2.3.4.7 <Admin> View list of Customer**

### Figure : < Admin> View list of Customer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.07** | | | | | | |
| **Use Case No.** | | UC\_A.07 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View List of Admins | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view list of account of customer.   **Goal:**   * Admin sees list of customer’s accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “User” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of admins on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Account” link. | |  | | | |
| 3 | Admin goes to “User” link. | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> View list of Customer

### **2.3.4.8 <Admin> Search Customer**

### Figure : < Admin> Search Customer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.08** | | | | | | |
| **Use Case No.** | | UC\_A.08 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Search Customer | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to search account of customer.   **Goal:**   * Admin sees data of customer accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “User” link. * Admin input data of account’s admin to search.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of admins on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “User” link. | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
| 2 | Admin input data to search text area | | * Display the view on screen.   Data Table which contains with data:   * “Search”: text area, required.   + “Username”: phone number, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. * “Action group”: “Deactive” button. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> Search Customer

### **2.3.4.9 <Admin> View detail of Customer**

### Figure : < Admin> View Detail of Customer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.09** | | | | | | |
| **Use Case No.** | | UC\_A.09 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Customer | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail account of customer.   **Goal:**   * Admin view detail account of customer.   **Triggers:**   * Admin lick row of list of customers. * System show data of customers.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of customers on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of customers. | | * System will show modal: * “Phone”: phone number, text, length 10-11, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Email”: text area, required. * “Create”: date time, required. * “Note”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> View Detail of Customer

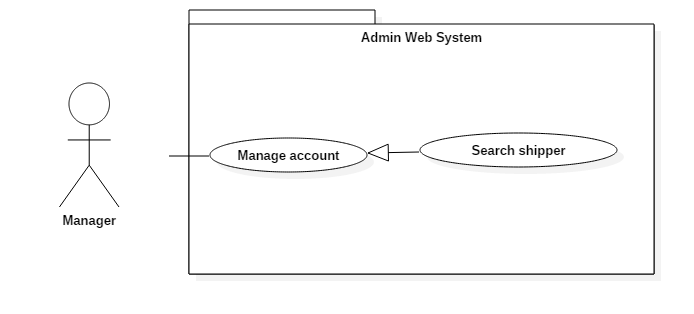
### **2.3.4.10 <Admin> View list of Shipper**

### Figure : < Admin> View list of Shipper

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.10** | | | | | | |
| **Use Case No.** | | UC\_A.10 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View list of Shipper | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view list of account of Shipper.   **Goal:**   * Admin sees list of Shipper’s accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “Shipper” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of Shippers on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Shipper” link. | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:**  Status of shipper:   * If shipper just be created, Status is checked. * If shipper is checked, status is checked. * If shipper is deactive, status is banned. | | | | | | |

### Table : < Admin> View list of Shipper

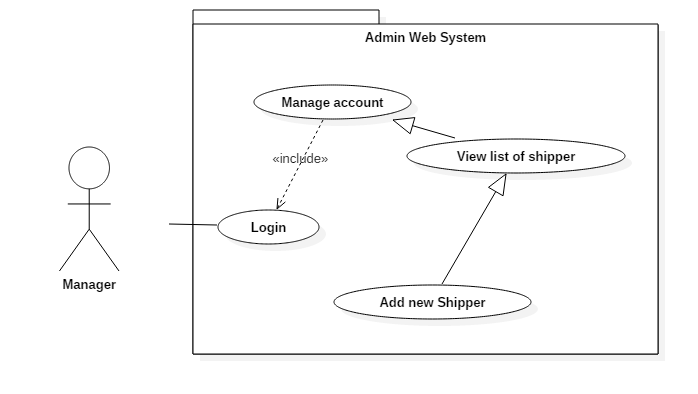
### **2.3.4.11 <Admin> Search Shipper**

Figure : < Admin> Search Shipper

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.11** | | | | | | |
| **Use Case No.** | | UC\_A.11 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Search Shipper | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to search account of Shippers.   **Goal:**   * Admin sees data of Shipper ‘s accounts on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Account” link. * Admin press “Shipper” link. * Admin input data of account’s admin to search.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of Shippers on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Admin” link. | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. | | | |
| 2 | Admin input data to search text area | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> Search Shipper

### **2.3.4.12 <Admin> Add new Shipper**

****

### Figure : < Admin> Add new Shipper

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.12** | | | | | | |
| **Use Case No.** | | UC\_A.12 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Add new Shipper | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to add account for new admins.   **Goal:**   * Admin add new data of admin’s accounts successful.   **Triggers:**   * Admin press “Add new” on “Shipper” manage screen. * Admin input new data of account shipper. * Admin press “Save” button.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Reload list of admins with new data of account. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Shipper” link. | | * Display the view on screen.   Data Table which contains:   * “Search”: text area, required.   + “Phone”: phone number, text, length 10-11, required.   + “Name”: text, required.   + “Email”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Account is new 2. Check: Account was checked. 3. Banned: Account was banned.  * “Note” text, required. | | | |
| 2 | Admin press “Add new” button. | | * System will show modal: * “Phone”: phone number, text, length 10-11, require. * “Password”: text area, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Introduce”: text area, required. * “Note”: text area, required. * “Sum Revenue”: text area, required. * “Email”: text area, required. * “Source Name”: text area, required. * “Price Level”: select, required. * “Description”: text area, required. * “Nation Id Card”: text area, required. * “Nation Id Create Day”: date time, required. * “Nation Id Card Image”: * Front: images, required. * Back: images, required. * “Bike Id Card”: text area, required. * “Bike Id Card Create Day”: date time, required. * “Bike Id Card Image”: * Front: images, required. * Back: images, required. * “Shipper Avatar”: images, required. * “Is active”: check box, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 3 | Admin enter new data of admin. | |  | | | |
| 4 | Admin click “Save” button. | | * System check valid data.   [Exception 1,2,3,4,5]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The password is not correct according to the form. | | Show message “Password must be at least 8 characters”. | | | |
| 3 | The email is not correct according to the form. | | Show message “Email must be email@example.com”. | | | |
| 4 | Date of Birth,  Nation Id Create Day, Bike Id Card Create Day does not exist. | | Show message “Date not exist” | | | |
| 5 | Some field is empty | | Show message “Something is empty”. | | | |
| **Relationships:** N/A  **Business Rules:**   * When add new shipper successful, status of shipper is new. | | | | | | |

### Table : <Admin> Add new Shipper

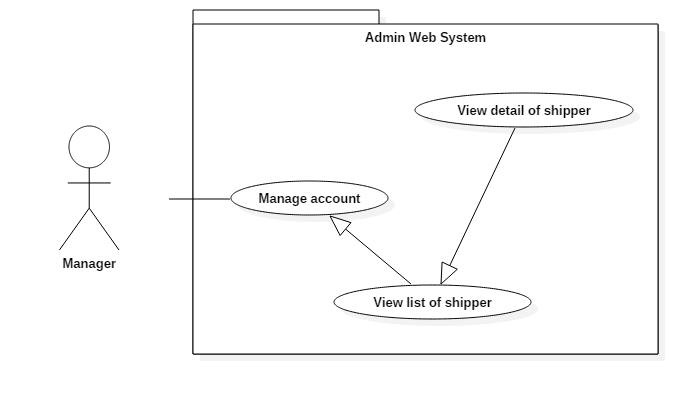
### **2.3.4.13 <Admin> View detail of Shipper**

Figure : < Admin> View Detail of Shipper

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.13** | | | | | | |
| **Use Case No.** | | UC\_A.13 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Shipper | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail account of Shipper.   **Goal:**   * Admin view detail account of Shippers.   **Triggers:**   * Admin lick row of list of Shippers. * System show data of Shippers.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of admin on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of Shippers. | | * System will show modal: * “Phone”: phone number, text, length 10-11, require. * “Password”: text area, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Introduce”: text area, required. * “Note”: text area, required. * “Sum Revenue”: text area, required. * “Email”: text area, required. * “Source Name”: text area, required. * “Price Level”: select, required. * “Description”: text area, required. * “Nation Id Card”: text area, required. * “Nation Id Create Day”: date time, required. * “Nation Id Card Image”: * Front: images, required. * Back: images, required. * “Bike Id Card”: text area, required. * “Bike Id Card Create Day”: date time, required. * “Bike Id Card Image”: * Front: images, required. * Back: images, required. * “Shipper Avatar”: images, required. * “Is active”: check box, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> View Detail of Shipper

### **2.3.4.14 <Admin> Edit Shipper**

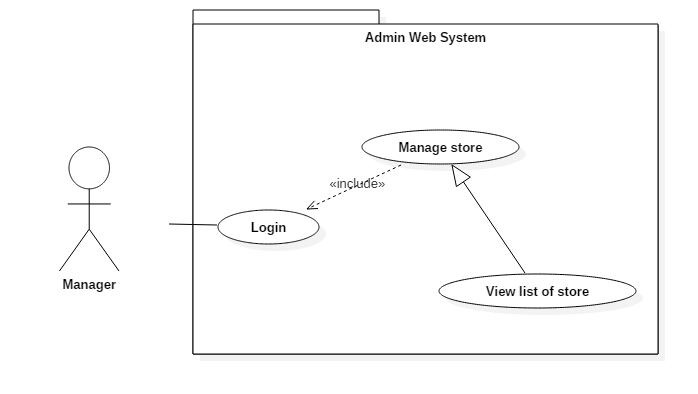


### Figure : < Admin> Edit Shipper

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.14** | | | | | | |
| **Use Case No.** | | UC\_A.14 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Edit Shipper | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to edit account of Shipper.   **Goal:**   * Admin edit account of Shipper.   **Triggers:**   * Admin lick row of list of Shipper. * System show data of admin. * Admin edit data and press “Save”. * System saves.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of admin on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of Shipper. | | * System will show modal: * “Phone”: phone number, text, length 10-11, require. * “Password”: text area, required. * “Full name”: text area, required. * “Date of Birth”: date time, required. * “Introduce”: text area, required. * “Note”: text area, required. * “Sum Revenue”: text area, required. * “Email”: text area, required. * “Source Name”: text area, required. * “Price Level”: select, required. * “Description”: text area, required. * “Nation Id Card”: text area, required. * “Nation Id Create Day”: date time, required. * “Nation Id Card Image”: * Front: images, required. * Back: images, required. * “Bike Id Card”: text area, required. * “Bike Id Card Create Day”: date time, required. * “Bike Id Card Image”: * Front: images, required. * Back: images, required. * “Shipper Avatar”: images, required. * “Is active”: check box, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 2 | * Admin enter edit data of account. | |  | | | |
|  | * Admin press “Save” button. | | * System check valid data.   [Exception 1,2,3,4,5]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The password is not correct according to the form. | | Show message “Password must be at least 8 characters”. | | | |
| 3 | The email is not correct according to the form. | | Show message “Email must be email@example.com”. | | | |
| 4 | Date of Birth,  Nation Id Create Day, Bike Id Card Create Day does not exist. | | Show message “Date not exist” | | | |
| 5 | Some field is empty | | Show message “Something is empty”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> Edit Shippe

### **2.3.4.15 <Admin> View List of Store**

****

### Figure : < Admin> View list of Store

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.16** | | | | | | |
| **Use Case No.** | | UC\_A.16 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View List of Store | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view list of Store.   **Goal:**   * Admin sees list Store on screen.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Store” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of Store on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Store” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Search”: text area, required.   + “Name”: text, text, length 10-11, required.   + “Address”: text, required.   + “District”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Store is active. 2. Hidden: Store is deactive.  * “Note” text, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> View list of Store

### **<Admin> Search Store**

### Figure : < Admin> Search Store

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.16** | | | | | | |
| **Use Case No.** | | UC\_A.16 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | SearchStore | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to searchStore.   **Goal:**   * Admin sees Store need to search on screen.   **Triggers:**   * Admin press “Store” link. * Admin input data need to search.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show Store on screen. * Fail:   + If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Store” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Search”: text area, required.   + “Name”: text, text, length 10-11, required.   + “Address”: text, required.   + “District”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Store is active. 2. Hidden: Store is deactive.  * “Note” text, required. | | | |
| 2 | Admin input data need to search on “Search” text box. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Search”: text area, required.   + “Name”: text, text, length 10-11, required.   + “Address”: text, required.   + “District”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Store is active. 2. Hidden: Store is deactive.  * “Note” text, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> SearchStore

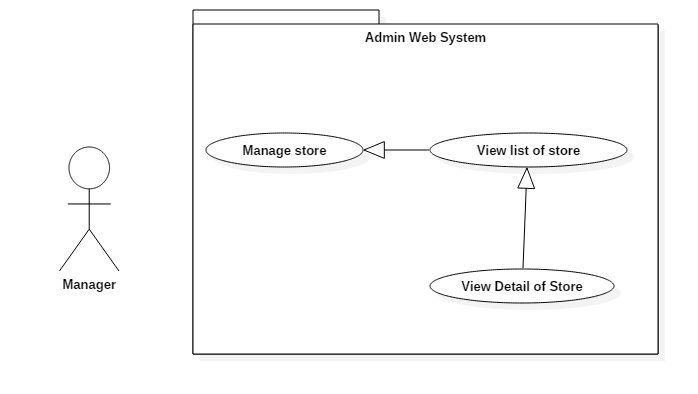
### **2.3.4.17 <Admin> Add new Store**

### Figure : < Admin> Add new Store

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.18** | | | | | | |
| **Use Case No.** | | UC\_A.18 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Add new Store | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to add Store.   **Goal:**   * Admin add new data of Store successful.   **Triggers:**   * Admin press “Add new” on “Store” manage screen. * Admin input new data of account admin. * Admin press “Save” button.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Reload list of admins with new data of account. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to “Store” link. | | * Display the view on screen.   Data Table which contains:   * “Add new”: button, required. * “Search”: text area, required.   + “Name”: text, text, length 10-11, required.   + “Address”: text, required.   + “District”: text, required.   + “Status”: integer, required.   The value of status:   1. New: Store is active. 2. Hidden: Store is deactive.  * “Note” text, required. | | | |
| 2 | Admin press “Add new” button. | | * System will show modal: * “Name”: text area, length 10-11, require. * “Phone”: text area, length 10-11, required. * “Address”: text area, required. * “District”: select box, required. * “City”: select box, required. * “Longitude”: text area, required. * “Latitude”: text area, required. * “Images”: image, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 3 | Admin enter new data of store. | |  | | | |
| 4 | Admin click “Save” button. | | * System check valid data.   [Exception 1,2,3]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The phone is not correct according to the form. | | Show message “phone must be at 10-11 characters”. | | | |
| 3 | Some field is empty | | Show message “ is Empty”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> Add new Store

### **<Admin> View detail of Store**

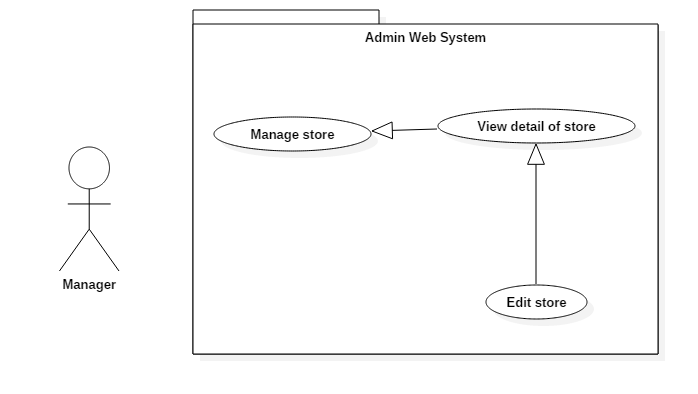


### Figure : < Admin> View Detail of Store

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.19** | | | | | | |
| **Use Case No.** | | UC\_A.19 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Store | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail Store.   **Goal:**   * Admin view detail Store.   **Triggers:**   * Admin lick row of list of Store. * System show data of Store.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of Store on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of Store. | | * System will show modal: * “Name”: text area, length 10-11, require. * “Phone”: text area, length 10-11, required. * “Address”: text area, required. * “District”: select box, required. * “City”: select box, required. * “Longitude”: text area, required. * “Latitude”: text area, required. * “Images”: image, required. * “Status”: select box, required. * “Note”: text area, required. * Data table: show list of store’s products. * “Product”: text area, required. * “Price”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
|  |  | |  | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> View Detail of Store

### **<Admin> Edit Store**

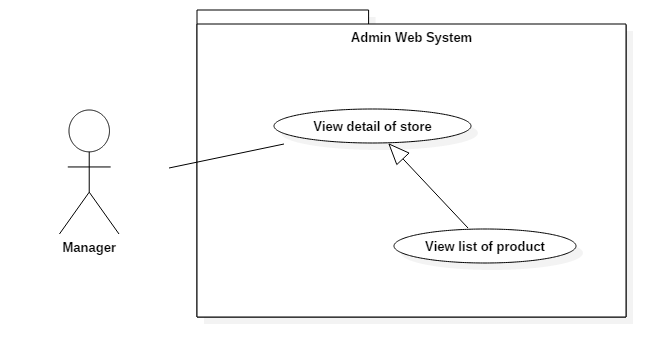


### Figure : < Admin> Edit Store

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.20** | | | | | | |
| **Use Case No.** | | UC\_A.20 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Store | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail Store.   **Goal:**   * Admin view detail Store.   **Triggers:**   * Admin lick row of list of Store. * System show data of Store.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show data of Store on modal. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of Store. | | * System will show modal: * “Name”: text area, length 10-11, require. * “Phone”: text area, length 10-11, required. * “Address”: text area, required. * “District”: select box, required. * “City”: select box, required. * “Longitude”: text area, required. * “Latitude”: text area, required. * “Images”: image, required. * “Status”: select box, required. * “Note”: text area, required. * Data table: show list of store’s products.   [Exception 4]   * “Product”: text area, required. * “Price”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 2 | * Admin edit data * Admin press “Save” | | * System check valid data.   [Exception 1,2,3]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin click “Save” button. | | System will show message: “Unable to add”. | | | |
| 2 | Admin click “Close” button. | | System will close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | The phone is not correct according to the form. | | Show message “phone must be at 10-11 characters”. | | | |
| 3 | Some field is empty | | Show message “ is Empty”. | | | |
| 4 | If store don’t have any product on database. | | Show list null of product with empty row. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : < Admin> Edit Store

### **<Admin> View List of Product**

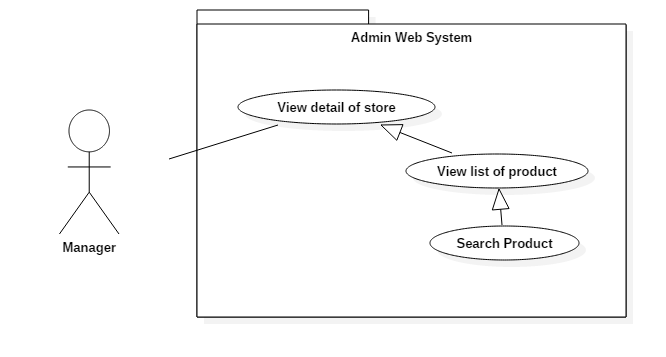


### Figure : < Admin> View list of Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.22** | | | | | | |
| **Use Case No.** | | UC\_A.22 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View list of Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view list product on Store.   **Goal:**   * Admin view list product on Store.   **Triggers:**   * System show product of Store.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: show product of Store. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin lick row of list of Store. | | * System will show modal: * “Name”: text area, length 10-11, require. * “Phone”: text area, length 10-11, required. * “Address”: text area, required. * “District”: select box, required. * “City”: select box, required. * “Longitude”: text area, required. * “Latitude”: text area, required. * “Images”: image, required. * “Status”: select box, required. * “Note”: text area, required. * Data table: show list of store’s products. * “Product”: text area, required. * “Price”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 2 | * Admin lick row of list of products on data table. | | * System will change view of managing product (with id of store)   Data table:   * “Search”: text box, required. * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin lick row of list of products on data table. | | If store don’t have product, show list null. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:** N/A | | | | | | |

### Table : < Admin> View list of Product

### **<Admin> Search Product**

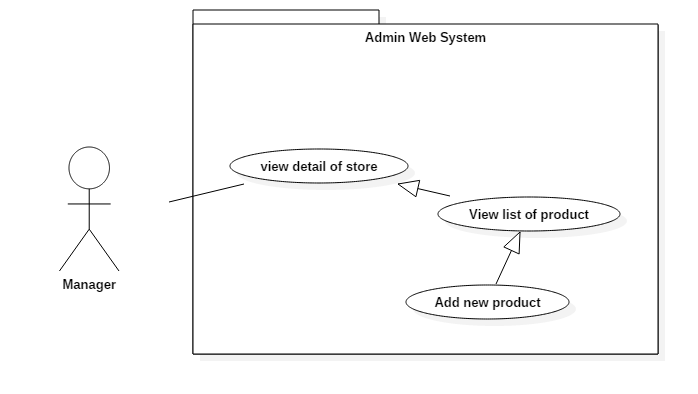


### Figure : < Admin> Search Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.23** | | | | | | |
| **Use Case No.** | | UC\_A.23 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Search Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to search product on Store.   **Goal:**   * Admin search product on Store.   **Triggers:**   * View detail of store. * Search product. * System show product of Store need to search.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: show product of Store. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin enter data need to search on store modal (When lick on detail of store) | | * System will change view of managing product (with id of store)   Data table:   * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin search products on data table on store detail modal. | | If store don’t have product, show list null. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:** N/A | | | | | | |

### Table : < Admin> Search Product

### **<Admin> Add new Product**

Figure : < Admin> Add new Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.24** | | | | | | |
| **Use Case No.** | | UC\_A.24 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Add new Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to add new product of Store.   **Goal:**   * Admin add new product of Store.   **Triggers:**   * View detail of store. * Click row of product table. * Add new product   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: add new product on store. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin click on row of data table of detail store modal (store need to add new product). | | * System will change view of managing product (with id of store)   Data table:   * “Add new”: button, required. * “Search” text area, required. * “Delete” button, required.   On row of data table   * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Delete” button group, required. | | | |
| 2 | * Admin press “Add new” button. | | * System will modal of add new product: * “Name”: text area, required. * “Name of store”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Images”: image, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 3 | * Admin enter new data of product | |  | | | |
| 4 | Admin press “Save” | | * System check valid data.   [Exception 1,2,]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin press “Close” | | Close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | Some field is empty | | Show message “Something is empty”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:**   * When add new product successful, status of product is new. | | | | | | |

### Table : < Admin> Add new Product

### **<Admin> View detail of Product**

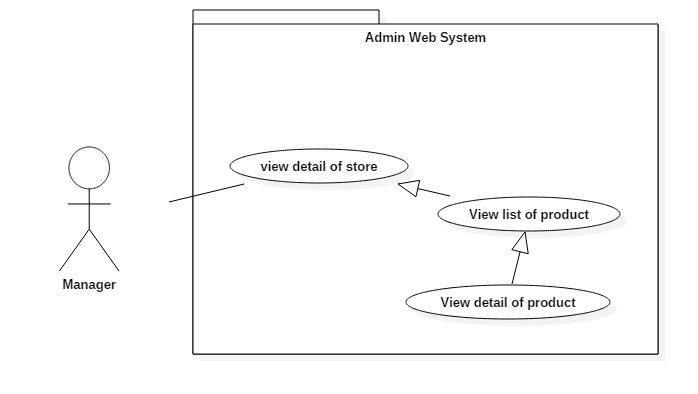


Figure : < Admin> View detail of Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.25** | | | | | | |
| **Use Case No.** | | UC\_A.25 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View detail of Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail of product.   **Goal:**   * Admin view detail of product.   **Triggers:**   * View detail of store. * Click row of product table. * View detail of product.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: View detail of product. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin click on row of data table of detail store modal (store need to add new product). | | * System will change view of managing product (with id of store)   Data table:   * “Add new”: button, required. * “Search” text area, required. * “Delete” button, required.   On row of data table   * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Delete” button group, required. | | | |
| 2 | * Admin click the row of product list. | | * System will modal of add new product: * “Name”: text area, required. * “Name of store”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Images”: image, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin press “Close” | | Close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:** N/A | | | | | | |

Table : < Admin> view detail of product

### **<Admin> Edit Product**

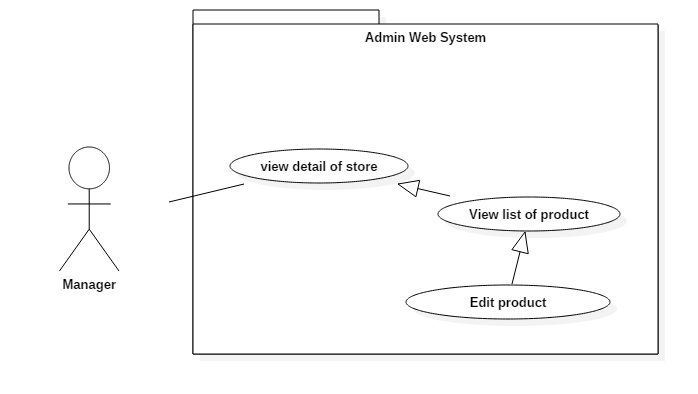


Figure : < Admin> Edit Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.26** | | | | | | |
| **Use Case No.** | | UC\_A.26 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Edit Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail of product.   **Goal:**   * Admin view detail of product.   **Triggers:**   * View detail of store. * Click row of product table. * View detail of product.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Change data of product. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin click on row of data table of detail store modal (store need to add new product). | | * System will change view of managing product (with id of store)   Data table:   * “Add new”: button, required. * “Search” text area, required. * “Delete” button, required.   On row of data table   * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Delete” button group, required. | | | |
| 2 | * Admin click the row of product list. | | * System will modal of add new product: * “Name”: text area, required. * “Name of store”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Images”: image, required. * “Status”: text area, required. * “Cancel”: button, required. * “Save”: button, required. | | | |
| 3 | * Admin enter new data of product | |  | | | |
| 4 | Admin press “Save” | | * System check valid data.   [Exception 1,2,]   * Send data to server * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin press “Close” | | Close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | Some field is empty | | Show message “Something is empty”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:** N/A | | | | | | |

Table : < Admin> Edit product

### **<Admin> Delete Product**

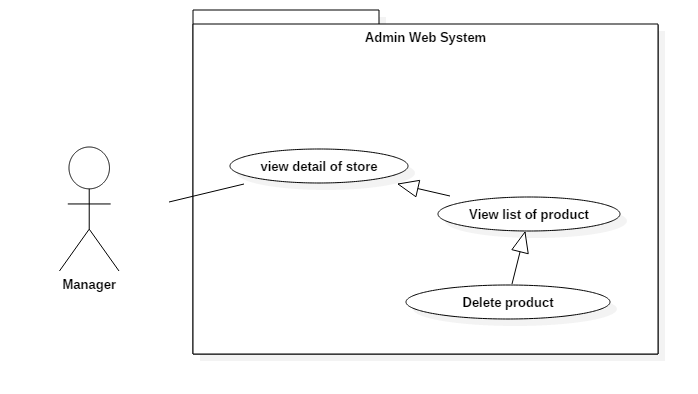
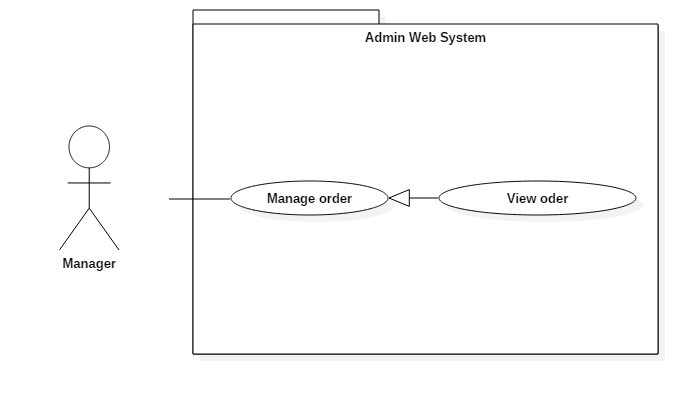


Figure : < Admin> Delete Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.28** | | | | | | |
| **Use Case No.** | | UC\_A.28 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Delete Product | | | | |
| **Author** | |  | | | | |
| **Date** | | 6/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view detail of product.   **Goal:**   * Admin view detail of product.   **Triggers:**   * View detail of store. * Click row of product table. * View detail of product.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Change status of product. * Fail: Show error on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | * Admin click on row of data table of detail store modal (store need to add new product). | | * System will change view of managing product (with id of store)   Data table:   * “Add new”: button, required. * “Search” text area, required. * “Delete” button, required.   On row of data table   * “Name”: text area, required. * “Price”: text area, required. * “Description”: text area, required. * “Note”: text area, required. * “Status”: text area, required. * “Delete” button group, required. | | | |
| 2 | * Admin slect the row of product list. | |  | | | |
| 3 | * Admin press “Delete” | | * Delete product on database. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin press “Close” | | Close modal. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| 2 | Some field is empty | | Show message “Something is empty”. | | | |
| **Relationships:**   * View list of stores. * Search stores. * View detail of stores.   **Business Rules:** N/A | | | | | | |

Table : < Admin> Delete product

### **<Admin> View order**

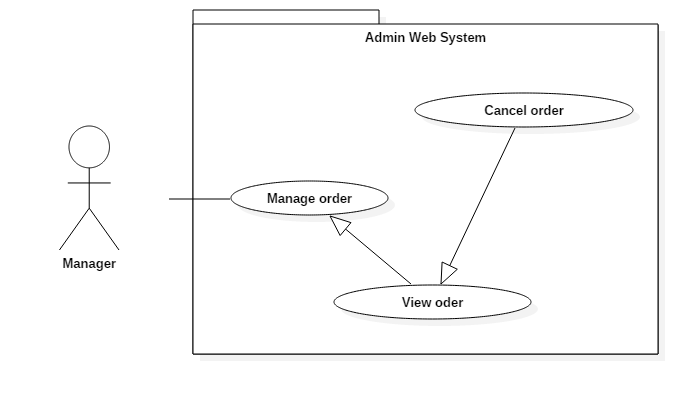


### Figure : < Admin> View order

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.29** | | | | | | |
| **Use Case No.** | | UC\_A.29 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View order | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view orders.   **Goal:**   * Admin sees list of view orders.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Order” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of order on screen. * Fail: If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Order” link. | | * Display the view on screen. * “Cancel”: button, required. * “Search”: text area, required.   Data Table which contains:   * + “#”: Code of order, text, required.   + “Buyer Phone”: text area, required.   + “Buyer Name”: text, required.   + “Total Price”: integer, required.   + “Status”: text area, required.   The value of status:   1. New: Order is new 2. Assigned: Order is assigned. 3. Bought: Order is bought. 4. Done: Order is done. 5. Cancel: Order is cancelled. | | | |
| 3 | Admin click row of order list to view detail of order. | | * Display the view detail modal on screen: * “Notification”: text area, required. * “Address”: text area, required. * “Customer”: text area, required. * “Total”: text area, required.   Data Table:   * “Search”: text area, required.   + “#”: Code of order, text, required.   + “Product Name”: text area, required.   + “Unit Price”: text, required.   + “Quantity”: integer, required.   + “Close”: button, required.   + “Save Changes”: button, required. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:** N/A  **Business Rules:** N/A | | | | | | |

### Table : <Admin> View order

### **<Admin> Cancel order**



### Figure : < Admin> Cancel order

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.27** | | | | | | |
| **Use Case No.** | | UC\_A.27 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | Cancel order | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to cancel orders.   **Goal:**   * Admin cancel orders.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Order” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of order on screen. * Fail: If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Order” link. | | * Display the view on screen. * “Cancel”: button, required. * “Search”: text area, required.   Data Table which contains:   * + “#”: Code of order, text, required.   + “Buyer Phone”: text area, required.   + “Buyer Name”: text, required.   + “Total Price”: integer, required.   + “Status”: text area, required.   The value of status:   1. New: Order is new 2. Assigned: Order is assigned. 3. Bought: Order is bought. 4. Done: Order is done. 5. Cancel: Order is cancelled. | | | |
| 3 | Admin click row of order list to view detail of order and edit. | | Display the view detail modal on screen:   * “Notification”: text area, required. * “Address”: text area, required. * “Customer”: text area, required. * “Total”: text area, required.   Data Table:   * “Search”: text area, required.   + “#”: Code of order, text, required.   + “Product Name”: text area, required.   + “Unit Price”: text, required.   + “Quantity”: integer, required.   + “Close”: button, required.   + “Save Changes”: button, required. | | | |
| 4 | Admin press “Save” | | * System check valid data.   [Exception 1,2,]   * Change status of order * Return success message. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:**   * View Order   **Business Rules:**   * Order only cancel when status is: “New”, “Assigned” | | | | | | |

### Table : <Admin> Cancel order

### **<Admin> View Report**

### Figure : < Admin> View Report

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USE CASE – UC\_A.28** | | | | | | |
| **Use Case No.** | | UC\_A.28 | | **Use Case Version** | | 1.0 |
| **Use Case Name** | | View Report | | | | |
| **Author** | |  | | | | |
| **Date** | | 5/3/2019 | | **Priority** | Normal | |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to view report.   **Goal:**   * Admin view report of order, customer, shipper, amount.   **Triggers:**   * Admin send log in command on web application (Admin). * System show web’s screen with admin role. * Admin press “Home” link.   **Preconditions:**   * User must be “admin”.   **Post Conditions:**   * Success: Show list of order on screen. * Fail: If list is null, show table with null data on screen.   **Main Success Scenario:** | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Admin goes to admin screen view. | | * Display the view on screen.   + “Home” link.   + “Account” link.   + “Order” link.   + “Product” link.   + “Store” link. | | | |
| 2 | Admin goes to “Home” link. | | * Display the view on screen. * “Actived Shipper”: item, required. * “All Customers”: item, required. * “All Stores”: item, required. * “All Orders”: item, required.   Data Chart which contains:   * + “Type”: Type Report selects, required.   + “Date”: Time Report selects, required.   + “From”: date picker, required.   + “To”: date picker, required.   + “X”: label with date time, required.   + “Y”: label with number of reports, required.   Table which contains:  Data Table which contains:   * + “#”: Code of order, text, required.   + “Buyer Phone”: text area, required.   + “Buyer Name”: text, required.   + “Total Price”: integer, required.   + “Status”: text area, required.   The value of status:   1. New: Order is new 2. Assigned: Order is assigned. 3. Bought: Order is bought. 4. Done: Order is done.   Cancel: Order is cancelled. | | | |
| 3 | User select data report. | | - Make a chart of report. | | | |
| 4 | User select line on chart. | | - Show data of report with time of line. | | | |
|  | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | There is no data of admin on database. | | Show table with null data on screen. | | | |
| **Exceptions**: | | | | | | |
| **Step** | **Actor Action** | | **System Response** | | | |
| 1 | Network is not available | | Show message “Please check your internet”. | | | |
| **Relationships:**   * View Order   **Business Rules:**   * Order only cancel when status is: “New”, “Assigned” | | | | | | |

### Table : <Admin> View Report

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,…) |