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| |  |  | | --- | --- | | **Group 08** | | | **Group Members** | Lê Khôi Phong  Đào Như Tùng  Công Minh Hiếu  Nguyễn Thanh Tùng  Đặng Quốc Duy | | **Supervisor** | Lâm Hữu Khánh Phương | |
|  |

- Ho Chi Minh City, 06/2013 -

**Record of Changes**

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| june-1-2013 | All | Create the document | DuyDQ | 0.1 |
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# Table of Contents

[Table of Contents 3](#_Toc363003017)

[3.1 User Requirement Specification 4](#_Toc363003018)

[3.1.1 Common Features 4](#_Toc363003019)

[3.1.2 Authorized User 4](#_Toc363003020)

[3.1.3 Admin 4](#_Toc363003021)

[3.1.4 Guest 4](#_Toc363003022)

[3.2 System Requirement Specification 5](#_Toc363003023)

[3.2.1 External Interface Requirements 5](#_Toc363003024)

[3.2.1.1 User Interfaces 5](#_Toc363003025)

[3.2.1.2 Hardware Interfaces 5](#_Toc363003026)

[3.2.1.3 Software Interfaces 5](#_Toc363003027)

[3.2.1.4 Communications Protocol 5](#_Toc363003028)

[3.2.2 System Features 6](#_Toc363003029)

[3.2.2.1 Admin 7](#_Toc363003030)

[3.2.2.2 User 33](#_Toc363003033)

[3.2.2.3 Guest 46](#_Toc363003034)

[3.2.2.4 Unauthorized User 51](#_Toc363003035)

[3.2.3 Software System Attributes 53](#_Toc363003036)

[3.2.3.1 Reliability 53](#_Toc363003037)

[3.2.3.2 Availability 54](#_Toc363003038)

[3.2.3.3 Security 54](#_Toc363003039)

[3.2.3.4 Maintainability 54](#_Toc363003040)

[3.3. Entity Relationship Diagram 55](#_Toc363003041)

# User Requirement Specification

## Common Features

* Only authenticated users can access the system. Users can log in and log out using their own accounts.
* Users can change their password.
* All guests or users can view event, artist. And they can search for the event or artist, and view ticket or request ticket.
* Only authorized users can use specific functions of the system.

## Authorized User

* Users can follow category (they’re interested in their own preference).
* Users can view history their transaction, and claim for transaction (in 5 days from transaction’s day).
* If user wants to sell a ticket, he/she have to provide their bank account, and must be approved by admin.
* Show the amount of money the seller receives after subtracting 7% for website transaction fee and round up/ down amount of money.
* When user creates a request or ticket, he/she can choose default event of website or he/she can create new event.
* User is rated theirs prestige by other users.

## Admin

* Admin have to manage category, event, user, transaction, venue, request, tickets.

## Guest

* They only can view and search but they can’t use authorized user’ function.

# System Requirement Specification

## External Interface Requirements

### User Interfaces

* The design should be simple and user-friendly. White and dark will be 2 main colors of the website while charts may have more color to visually express data more effectively.
* The menu bar should be on the left and not take too much space of the screen. It consists of the list of main functions of the system that users can access.
* The design should be responsive. It means that the web components should be scaled according to a range of resolutions and devices to provide a consistent experience, no matter what.

### Hardware Interfaces

* To access to the system, users only need any type of computer, tablet, or mobile phone with a fair internet connection.

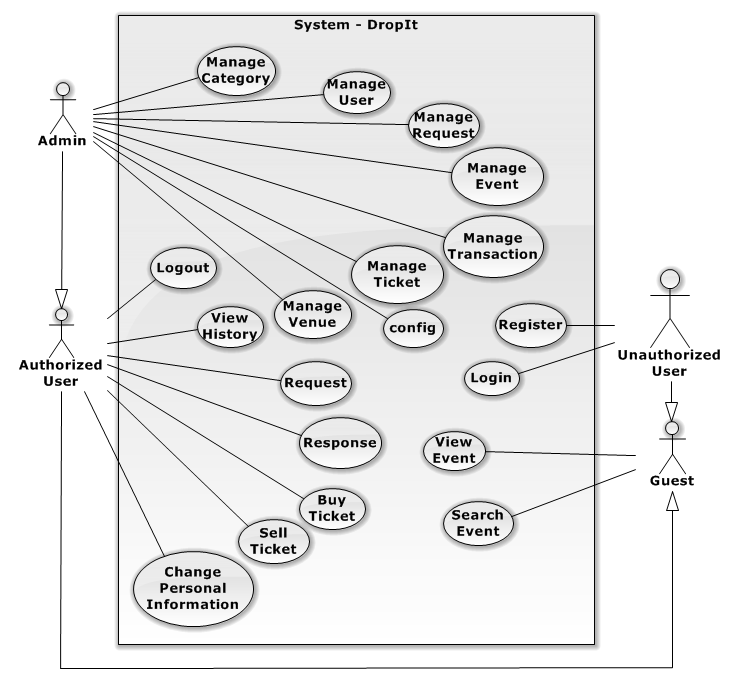
### Software Interfaces

* At the server side, the system should run on top of Windows 7, Windows Server 2012 or later versions of Windows Server. Besides, Microsoft .NET Framework 4.5 and MVC 3 should be installed on the server. The database management system use for SMDH is SQL Server 2012.
* At the client side, users can use any modern browser that supports JavaScript and HTML 5 to access to the system.

### Communications Protocol

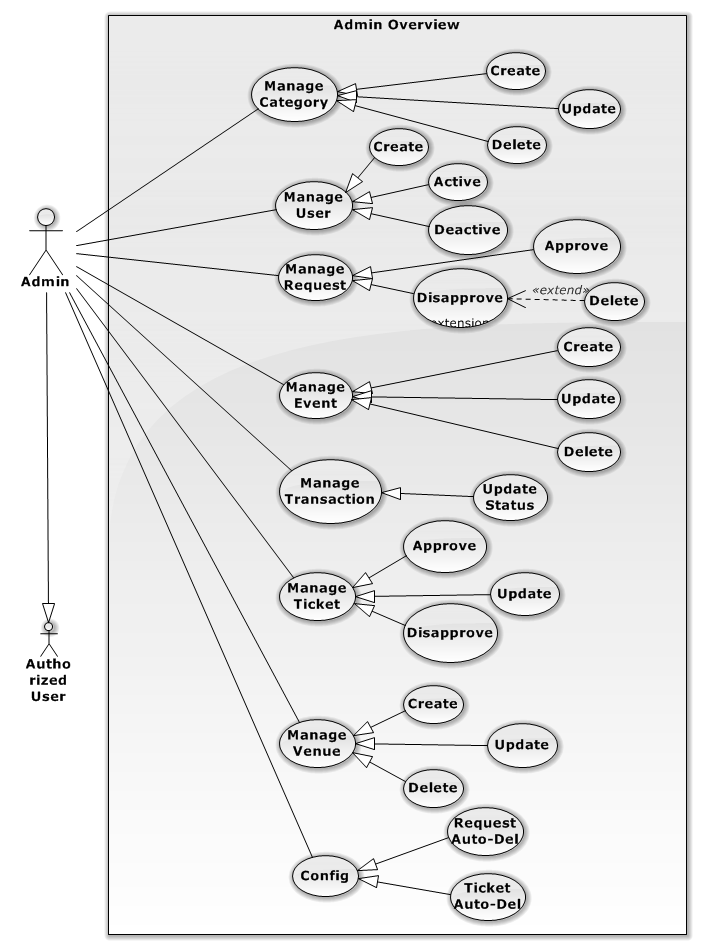
HTTP is the protocol used for loading the web site in browsers.

## System Features



**Figure 1 - General Use Case Diagram**

### Admin



**Figure 2 - Admin Overview Diagram**

#### Create Category



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – CREATE CATEGORY | | | |
| Use-case No. | UC01.1 | Use-case Version | 1.0 |
| Use-case Name | Create category | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to create category  **Goal:** Create category successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Category is created  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Danh mục” tab | Navigate to Manage Category page | | 2 | Click “Tạo danh mục” button | Show create new category page | | 3 | Fill mandatory fields and click “Tạo mới” button | - Validate, check conflict and save data  - Navigate to manage Category page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Update Category



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – UPDATE CATEGORY | | | |
| Use-case No. | UC01.2 | Use-case Version | 1.0 |
| Use-case Name | Update category | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to update category after created  **Goal:** Category is updated  **Triggers:** N/A  **Pre-conditions:** Category is already created  **Post-conditions:** Update category successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Danh mục” tab | Navigate to Manage Category page | | 2 | Click on “Hiển thị” tab | Navigate to list of shown Category | | 3 | Click on a category | Show update category form | | 4 | Fill mandatory fields and click “Cập nhật” button | Does validation, checks conflict and save data  Navigate back to manage Category page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Same as Main Success Scenario | | | 4 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Delete Category



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DELETE CATEGORY | | | |
| Use-case No. | UC01.3 | Use-case Version | 1.0 |
| Use-case Name | Delete category | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to delete category after created  **Goal:** Category is deleted  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Delete category successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Danh mục” tab | Navigate to Manage Category page | | 2 | Choose Category and click “Xóa” button | Show confirm message | | 3 | Click “Yes” button | Selected category is deleted successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Hide Category



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – HIDE CATEGORY | | | |
| Use-case No. | UC01.4 | Use-case Version | 1.0 |
| Use-case Name | Hide category | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to hide category after created  **Goal:** Category is hidden  **Triggers:** N/A  **Pre-conditions:** Category is shown  **Post-conditions:** Hide category successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Danh mục” tab | Navigate to Manage Category page | | 2 | Choose Category in shown category and click “Ẩn” button | Selected category is hidden successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Show Category



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – SHOW CATEGORY | | | |
| Use-case No. | UC01.5 | Use-case Version | 1.0 |
| Use-case Name | Show category | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to show category after hidden  **Goal:** Category is shown  **Triggers:** N/A  **Pre-conditions:** Category is hidden  **Post-conditions:** Show category successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Danh mục” tab | Navigate to Manage Category page | | 2 | Choose Category in hidden category and click “Hiện” button | Selected category is shown successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Active User



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – INSERT CATEGORY | | | |
| Use-case No. | UC01.6 | Use-case Version | 1.0 |
| Use-case Name | Active user | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to active a user  **Goal:** Active user successful  **Triggers:** N/A  **Pre-conditions:** User is deactivate  **Post-conditions:** User is activate  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Người dùng” tab | Navigate to Manage User page | | 2 | Choose user want to active and tick on “Kích hoạt” box | Active user successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Deactive User



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – INSERT CATEGORY | | | |
| Use-case No. | UC01.7 | Use-case Version | 1.0 |
| Use-case Name | Deactive user | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to deactive a user  **Goal:** Deactive user successful  **Triggers:** N/A  **Pre-conditions:** User is activate  **Post-conditions:** User is deactivate  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “User” button | Navigate to Manage User page | | 3 | Choose user want to deactive tick on “Kích hoạt” checkbox | Deactive user successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Allow User Selling



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – Allow user selling | | | |
| Use-case No. | UC01.8 | Use-case Version | 1.0 |
| Use-case Name | Allow user selling | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to allow user selling  **Goal:** Allow user selling successful  **Triggers:** N/A  **Pre-conditions:** User is disallowed to sell  **Post-conditions:** User is allowed to sell  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “User” button | Navigate to Manage User page | | 3 | Choose user want to allow selling and tick on “Được bán” checkbox | Allow user selling successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Disallow User Selling



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – Disallow user selling | | | |
| Use-case No. | UC01.9 | Use-case Version | 1.0 |
| Use-case Name | Disallow user selling | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to disallow user selling  **Goal:** Disallow user selling successful  **Triggers:** N/A  **Pre-conditions:** User is allowed to sell  **Post-conditions:** User is disallowed to sell  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “User” button | Navigate to Manage User page | | 3 | Choose user want to allow selling tick on “Được bán” checkbox | Allow user selling successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Create Event



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – CREATE EVENT | | | |
| Use-case No. | UC01.10 | Use-case Version | 1.0 |
| Use-case Name | Create event | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to create new event  **Goal:** Create event successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Event is created  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Sự kiện” tab | Navigate to Manage Event page | | 2 | Click “Tạo mới” buton | Navigate to Create new event page | | 3 | Fill mandatory fields and click “Tạo mới” button | - Does validation, check conflict and save data  - Navigate back to Event page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Update Event



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – UPDATE EVENT | | | |
| Use-case No. | UC01.11 | Use-case Version | 1.0 |
| Use-case Name | Update event | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to update event after created  **Goal:** Event is updated  **Triggers:** N/A  **Pre-conditions:** Event is already created  **Post-conditions:** Update event successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Event” tab | Navigate to Manage Event page | | 2 | Click on an event | Show Update event page | | 3 | Fill mandatory fields and click “Cập nhật” button | - Does validation, check conflict and save data  - Navigate back to Event page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Delete Event



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DELETE EVENT | | | |
| Use-case No. | UC01.12 | Use-case Version | 1.0 |
| Use-case Name | Delete event | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to delete an event after created  **Goal:** Event is deleted  **Triggers:** N/A  **Pre-conditions:** Event is already disapproved  **Post-conditions:** Delete event successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Event” tab | Navigate to Manage Event page | | 2 | Click on “Chưa duyệt” tab | Show list of disapproved events | | 3 | Choose event and click “Xóa” button | Show confirm message | | 4 | Click “Yes” button | Selected event is deleted successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Approve Event



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – APPROVE EVENT | | | |
| Use-case No. | UC01.13 | Use-case Version | 1.0 |
| Use-case Name | Approve event | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to approve an event after created  **Goal:** Event is approved  **Triggers:** N/A  **Pre-conditions:** Event is already disapproved  **Post-conditions:** Approved event successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Event” tab | Navigate to Manage Event page | | 2 | Click on “Chưa duyệt” tab | Show list of disapproved events | | 3 | Choose event and click “Duyệt” button | Selected event is approved successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Disapprove Event



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DISAPPROVE EVENT | | | |
| Use-case No. | UC01.14 | Use-case Version | 1.0 |
| Use-case Name | Disapprove event | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to disapprove an event after created  **Goal:** Event is disapproved  **Triggers:** N/A  **Pre-conditions:** Event is already approved  **Post-conditions:** Disapproved event successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Event” tab | Navigate to Manage Event page | | 2 | Click on “Đã duyệt” tab | Show list of approved events | | 3 | Choose event and click “Bỏ duyệt” button | Selected event is disapproved successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Approve Request



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – APPROVE REQUEST | | | |
| Use-case No. | UC01.15 | Use-case Version | 1.0 |
| Use-case Name | Approve request | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to approve request after created  **Goal:** Request is approved  **Triggers:** N/A  **Pre-conditions:** Request is disapproved  **Post-conditions:** Approve request successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Yêu cầu” tab | Navigate to Manage Request page | | 2 | Choose request want to approved and click on “Duyệt” button | Selected request is approved successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Disapprove Request



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DISAPPROVE REQUEST | | | |
| Use-case No. | UC01.16 | Use-case Version | 1.0 |
| Use-case Name | Disapprove request | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to disapprove request after approved  **Goal:** Request is disapproved  **Triggers:** N/A  **Pre-conditions:** Request is already approved  **Post-conditions:** Disapprove request successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Yêu cầu” tab | Navigate to Manage Request page | | 2 | Choose request want to disapproved and click on “Bỏ duyệt” button | Selected request is disapproved successfully |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Approve Ticker



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – APPROVE TICKET | | | |
| Use-case No. | UC01.17 | Use-case Version | 1.0 |
| Use-case Name | Approve ticket | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to approve ticket  **Goal:** Approve ticket successful  **Triggers:** N/A  **Pre-conditions:** Ticket is disapproved  **Post-conditions:** Ticket is approved  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Vé” tab | Navigate to Manage ticket page | | 2 | Click on “Tạm hoãn” tab | Show list of disapproved ticket | | 3 | Choose a ticket and click on “Duyệt” button | Approve ticket successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Update Ticket



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – UPDATE TICKET | | | |
| Use-case No. | UC01.18 | Use-case Version | 1.0 |
| Use-case Name | Update ticket | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Date | 07/31/2013 |
| **Actor:** Admin  **Summary:** This use case is about how to update ticket  **Goal:** Update ticket successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Ticket is updated  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Vé” tab | Navigate to Manage Ticket page | | 2 | Click “Chi tiết” buton | Show update ticket page | | 3 | Fill mandatory fields and click “Cập nhật” button | Does validation, check conflict and save data  Navigate back to Manage Ticket page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Disapprove Ticket



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DISAPPROVE TICKET | | | |
| Use-case No. | UC01.19 | Use-case Version | 1.0 |
| Use-case Name | Disapprove ticket | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to disapprove ticket  **Goal:** Disapprove ticket successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Ticket is disapproved  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Vé” tab | Navigate to Manage ticket page | | 2 | Click on “Sẵn sàng” tab | Show list of approved ticket | | 3 | Choose a ticket and click on “Bỏ duyệt” button | Disapprove ticket successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Delete Ticket



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DELETE TICKET | | | |
| Use-case No. | UC01.20 | Use-case Version | 1.0 |
| Use-case Name | Delete ticket | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to delete ticket  **Goal:** Delete ticket successful  **Triggers:** N/A  **Pre-conditions:** N Ticket is disapproved  **Post-conditions:** Ticket is deleted  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Vé” tab | Navigate to Manage ticket page | | 2 | Click on “Tạm hoãn” tab | Show list of disapproved ticket | | 3 | Choose a ticket and click on “Xóa” button | Display confirm message | | 4 | Click “Yes” button | Delete ticket successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Create Venue



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – CREATE VENUE | | | |
| Use-case No. | UC01.21 | Use-case Version | 1.0 |
| Use-case Name | Create venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to create venue  **Goal:** Create venue successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Venue is created  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Địa điểm” tab | Navigate to Manage Venue page | | 2 | Click on “Tạo địa điểm” button | Navigate to create new venue page | | 3 | Fill mandatory fields and click “Tạo mới” button | - Does validation, check conflict and save data  - Navigate back to Manage Venue page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Same as Main Success Scenario | | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Update Venue



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – UPDATE VENUE | | | |
| Use-case No. | UC01.22 | Use-case Version | 1.0 |
| Use-case Name | Update venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to update venue  **Goal:** Update venue successful  **Triggers:** N/A  **Pre-conditions:** Venue is not in transaction  **Post-conditions:** Venue is updated  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Địa điểm” tab | Navigate to Manage Venue page | | 2 | Click on a venue | Navigate to Update Venue page | | 3 | Fill mandatory fields and click “OK” button | Does validation, check conflict and save data  Navigate back to Venue page |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Same as Main Success Scenario | | | 2 | Click on a venue is in transaction | Display warning message that venue is in transaction, cannot edit | | 3 | Does not fill all required field or enters invalid data | Display warning message to notify the missing field or invalid data |   **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Delete Venue



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DELETE VENUE | | | |
| Use-case No. | UC01.23 | Use-case Version | 1.0 |
| Use-case Name | Delete venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to delete venue after disapproved  **Goal:** Venue is deleted  **Triggers:** N/A  **Pre-conditions:** Venue is already disapproved  **Post-conditions:** Delete venue successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Địa điểm” tab | Navigate to Venue page | | 2 | Click on “Chưa duyệt” tab | Show list of disapproved venues | | 3 | Choose venue want to delete and click on “Xóa” button | Show confirm message | | 4 | Click “Yes” button | Selected venue is deleted successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Approve Venue



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – APPROVE VENUE | | | |
| Use-case No. | UC01.24 | Use-case Version | 1.0 |
| Use-case Name | Approve venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to approve venue  **Goal:** Venue is approved  **Triggers:** N/A  **Pre-conditions:** Venue is already disapproved  **Post-conditions:** Approve venue successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Địa điểm” tab | Navigate to Venue page | | 2 | Click on “Chưa duyệt” tab | Show list of disapproved venues | | 3 | Choose venue want to approve and click on “Duyệt” button | Approve venue successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Disapprove Venue



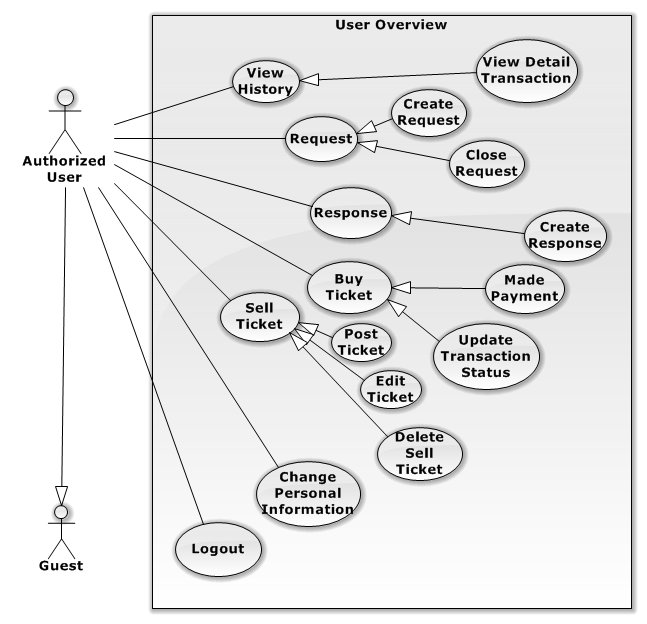
|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – DISAPPROVE VENUE | | | |
| Use-case No. | UC01.25 | Use-case Version | 1.0 |
| Use-case Name | Disapprove venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to disapprove venue  **Goal:** Venue is approved  **Triggers:** N/A  **Pre-conditions:** Venue is already approved  **Post-conditions:** Disapprove venue successful  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Địa điểm” tab | Navigate to Venue page | | 2 | Click on “Đã duyệt” tab | Show list of approved venues | | 3 | Choose venue want to disapprove and click on “Bỏ duyệt” button | Disapprove venue successful |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

#### Update Transaction



|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – UPDATE TRANSACTION | | | |
| Use-case No. | UC01.26 | Use-case Version | 1.0 |
| Use-case Name | Update venue | | |
| Author | TungNT | | |
| Date | 07/31/2013 | Priority | Normal |
| **Actor:** Admin  **Summary:** This use case is about how to update transaction  **Goal:** Update transaction successful  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** Transaction is updated  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Giao dịch” tab | Navigate to Manage Venue page | | 2 | Click on a “Đã thanh toán” tab | Show paid transaction list | | 3 | Choose a transaction and click “Giao hàng” button | - Transaction disappeared  - Transaction status changed to delivering | | 4 | Click on a “Giao hàng” tab | Show delivering transaction list | | 5 | Choose a transaction and click “Nhận hàng” button | - Transaction disappeared  - Transaction status changed to received | | 6 | Click on a “Đã nhận hàng” tab | Show received transaction list |   **Alternative Scenario:**  N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | |

### User



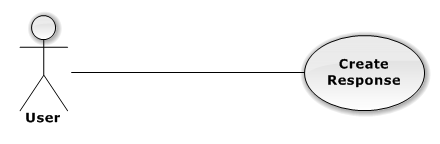
**Figure 3 – User Overview Diagram**

#### View Detail Transaction

****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – View Detail Transaction | | | | |
| Use-case No. | UC02.01 | Use-case Version | | 1.0 |
| Use-case Name | View Detail Transaction | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user view history detail transaction.  **Goal:** User can view detail transaction successfully.  **Triggers:** At the left side, click on “lịch sử giao dịch”.  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “lịch sử giao dịch” at the left side | System will display list of transaction of user in database. | | 2 | Click on “chi tiết” button of a transaction | System will show detail transaction. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Create Request



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Create Request | | | | |
| Use-case No. | UC02.02 | Use-case Version | | 1.0 |
| Use-case Name | Create Request | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user make a new request  **Goal:** User can make a new request successfully  **Triggers:** At the left side, click on “rao mua vé”.  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “rao mua vé” at the left side | System will go to detail request page. | | 2 | Input information your request. | System will validate input. | | 3 | Click on “đăng lời rao” button. | System will validate, and change notification for admin. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Close Request



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Close Request | | | | |
| Use-case No. | UC02.03 | Use-case Version | | 1.0 |
| Use-case Name | Close Request | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how close a request  **Goal:** User can close request successfully  **Triggers:** At the left side, click on “quản lí rao mua”.  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “quản lí rao mua” at the left side | System will display list of request in database. | | 2 | Click on “hủy bỏ” button | System will validate, and change status to “đã hủy”. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Create Response



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Create Response | | | | |
| Use-case No. | UC02.04 | Use-case Version | | 1.0 |
| Use-case Name | Create Response | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user make a new response.  **Goal:** User can make a new response successfully.  **Triggers:** N/A  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “xem yêu cầu cần vé” tab at the left side | System will display list of request in database. | | 2 | Choose a request, and click on “rao vé” button | System will go to this Request page. | | 3 | Input information of ticket or choose a post ticket | System will validate input. | | 4 | Click “trả lời” button | System will validate and post a direct link your post ticket in “chi tiết lời rao” page of request. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Made Payment



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Made Payment | | | | |
| Use-case No. | UC02.05 | Use-case Version | | 1.0 |
| Use-case Name | Made Payment | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user made a payment  **Goal:** User can make a new payment successfully  **Triggers:** click “sự kiện” tab on the top header  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “sự kiện” tab on header, and choose the event in category | System will go to direct manage event page. | | 2 | Click “đặt vé” button | System will show detail sell ticket page. | | 3 | Input information for buy | System will validate input. | | 4 | Click “xác nhận” button | System will validate and save to database. And status transaction will change ‘đang giao dịch’. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Update Transaction Status



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Update Transaction Status | | | | |
| Use-case No. | UC02.06 | Use-case Version | | 1.0 |
| Use-case Name | Update Transaction Status | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user update status of transaction.  **Goal:** User can change status transaction successfully.  **Triggers:** click “lịch sử giao dịch” tab at the left side  **Pre-conditions:**  User login into system already.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “lịch sử giao dịch” tab at the left side | System will display list of transaction of user in database. | | 2 | Click “chi tiết” button of a transaction | System will show detail transaction | | 3 | Choose status in text box | System will validate input. | | 4 | Click “Lưu” | System will validate, save to database, and change status of transaction. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Post Ticket



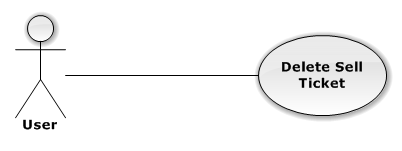
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Post Ticket | | | | |
| Use-case No. | UC02.07 | Use-case Version | | 1.0 |
| Use-case Name | Post Ticket | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user post a ticket.  **Goal:** User can make a new post ticket successfully.  **Triggers:** Click “bán” tab on the top header  **Pre-conditions:**  User login into system already.  **Post-conditions:** The request is created successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “bán” tab on header | System will go to direct home seller page. | | 2 | Click “tạo mới” button at the left side | System will show “đăng vé” page. | | 3 | Input information for sell | System will validate input. | | 4 | Click “đăng vé” button | System will validate and save to database. |   **Alternative Scenario:**  **Exceptions:**  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Edit Sell Ticket



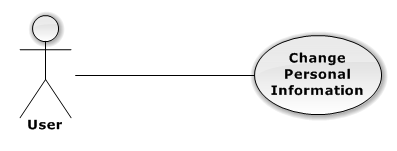
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Edit Sell Ticket | | | | |
| Use-case No. | UC02.08 | Use-case Version | | 1.0 |
| Use-case Name | Edit Sell Ticket | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user edit information for sell ticket  **Goal:** User can edit information to successfully  **Triggers:** click on “vé đang bán” tab at the left side  **Pre-conditions:**  User login into system already, and don’t person to order this ticket  **Post-conditions:** N/A.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “vé đang bán” tab at the left side | System will display list of sell ticket. | | 2 | Click on”chi tiết” button of a transaction | System will show detail transaction. | | 3 | Input your change | System will validate input. | | 4 | Click “thay đổi” | System will validate and save to database. And show messege “đã lưu thay đổi”. |   **Alternative Scenario:** N/A  **Exceptions: N/A**  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Delete Sell Ticket



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Delete Sell Ticket | | | | |
| Use-case No. | UC02.09 | Use-case Version | | 1.0 |
| Use-case Name | Delete Sell Ticket | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User  **Summary:** This use case is about how user delete a sell ticket  **Goal:** User can delete a sell ticket successfully  **Triggers:** click on “vé đang bán” tab at the left side  **Pre-conditions:**  User login into system already, and don’t have person to buy this ticket.  **Post-conditions:** N/A.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “vé đang bán” tab at the left side | System will display list of sell ticket. | | 2 | Click on “xóa” button of this sell ticket | System will validate, and save to database. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Change Personal Information



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Change Personal Information | | | | |
| Use-case No. | UC02.10 | Use-case Version | | 1.0 |
| Use-case Name | Change Personal Information | | | |
| Author | DuyDQ | | | |
| Date | 06/01/2013 | Priority | Normal | |
| **Actor:** User, Admin  **Summary:** When actor wants to change detail, user can use change personal information function to change user account’s information  **Goal:** User can change detail information successfully  **Triggers:** On Main page, click on ”thay đổi thông tin”, then the change detail page will be showed to use can change information  **Pre-conditions:**  User login into system already.  **Post-conditions:** User’s information is changed.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Thay đổi thông tin” on User Main Page. | System will show the change detail form. | | 2 | Useredit information | System validate new data | | 3 | Click “Hoàn tất” button. | System will show the success page and transfer to User Profile main page. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Logout



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Logout | | | | |
| Use-case No. | UC02.011 | Use-case Version | | 1.0 |
| Use-case Name | logout | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Admin, User, Authorized User  **Summary:** When user want to login with other account, or user want to get out from system, user can use “Logout” function.  **Goal:** Get out from system successfully.  **Triggers:** At the top of right, user click on “đăng xuất”  **Pre-conditions:** User login into system already.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on the “Đăng Xuất” button at the top of right | System will remove user’s session and transfer user to main page that guest can see. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

### Guest

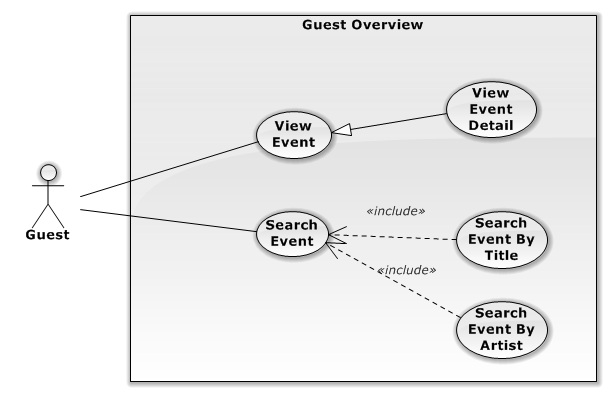
****

Figure 4 – Guest Overview

#### 3.2.2.3.1 View Event Detail



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – View Event Detail | | | | |
| Use-case No. | UC03.01 | Use-case Version | | 1.0 |
| Use-case Name | View Event Detail | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Admin, User, Authorized User, Guest, Unauthorized User.  **Summary:** This use case is about how actor views event detail.  **Goal:** User can view event detail successfully.  **Triggers:** N/A  **Pre-conditions:** N/A  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respons | | 1 | Select category at the top header | System will display list of event in database. | | 2 | Click on a event | System will show event detail. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### 3.2.2.3.3 Search Event by name



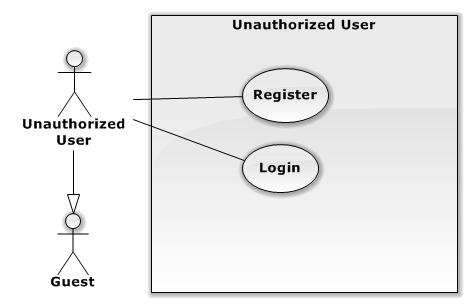
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Search Event by Title | | | | |
| Use-case No. | UC03.03 | Use-case Version | | 1.0 |
| Use-case Name | Search Event by Title | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Admin, User, Authorized User, Guest, Unauthorized User.  **Summary:** actor can seach a event that they want to find.  **Goal:** Actor can seach to successfully.  **Triggers:** At the top input information.  **Pre-conditions:** N/A  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Input your title that you want to find in text box | System will validate input. | | 2 | Click on”tìm kiếm” button | System will implement, and will show result. |   **Alternative Scenario:**  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### 3.2.2.3.4Search Event By Artist

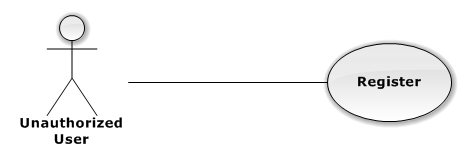


|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Search Event By Artist | | | | |
| Use-case No. | UC03.04 | Use-case Version | | 1.0 |
| Use-case Name | Search Event by Artist | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Admin, User, Authorized User, Guest, Unauthorized User.  **Summary:** actor can seach a event that they want to find by artist.  **Goal:** Actor can seach to successfully.  **Triggers:** At the top input information.  **Pre-conditions:** N/A  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Input your artist that you want to find in text box | System will validate input. | | 2 | Click on”tìm kiếm” button | System will implement, and will show result. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

### Unauthorized User



#### 3.2.2.4.1 Register



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Register | | | | |
| Use-case No. | UC04.01 | Use-case Version | | 1.0 |
| Use-case Name | Register | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Unauthorized User  **Summary:** this use case is about how unauthorized user can register in system  **Goal:** Unauthorized User registers successfully.  **Triggers:** At the top of right, user click on “đăng ký”  **Pre-conditions:** N/A  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “đăng ký” button at right on the top header | System navigate ‘đăng ký tài khoản mới’ page. | | 2 | Input information in text box | System will validate input. | | 3 | Click “đăng ký” button | System will send a mail for active account. |   **Alternative Scenario:**  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

#### Login



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USE CASE – Logout | | | | |
| Use-case No. | UC04.02 | Use-case Version | | 1.0 |
| Use-case Name | Logout | | | |
| Author | DuyDQ | | | |
| Date | 01/06/2013 | Priority | Normal | |
| **Actor:** Admin, User, Guest  **Summary:** Actor can get in system.  **Goal:** Get in to system successfully.  **Triggers:** On main Page, user can enter username and password into the text field at top of right then click “Đăng Nhập”.  **Pre-conditions:** Actor has to account of system.  **Post-conditions:** N/A  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Select “đăng nhập” at right on the top header | System will display screen for login. | | 2 | Input your account and password into the text field at the top of right | System will validate input. | | 3 | Click “đăng nhập” button | If valid user, show home screen. Else, navigate back to login form. |   **Alternative Scenario:**  **Exceptions:** N/A  **Relationships:**  N/A  **Business Rules:** N/A | | | | |

## Software System Attributes

### Reliability

* The database can be backed up easily and recovered if necessary.
* The system should never crash or hang, except for the cause from an operating system or network error.
* Mean Time Between Failures (MTBF): The acceptable failure is once a year. The failure should not be because of the database, or else the data may be lost and cannot be recovered.
* Mean Time To Repair (MTTR): When the failure occurs, it should take as little time as possible to repair. The acceptable mean time for a particular failure must be less than 8 hours.
* Maximum Bugs or Defect Rate: 05 bugs / KLOC

### Availability

* The uptime percentage should be at least 99.95%.
* The acceptable time for maintenance or backup should not be more than 8 hours per month.
* When the system goes in under-maintenance, the website should display a message to inform that.

### Security

* Only users with proper account can access certain information of the system. All the information of users must not be available for anyone or software that is not part of the system. User password is also encrypted and not available to the system administrators.

### Maintainability

* The code must follow C#.NET coding and naming convention.
* There should be comments in code files that explain the functions of each code segment.
* All the errors should be logged, which supports bug fixing and maintenance.

# Entity Relationship Diagram

