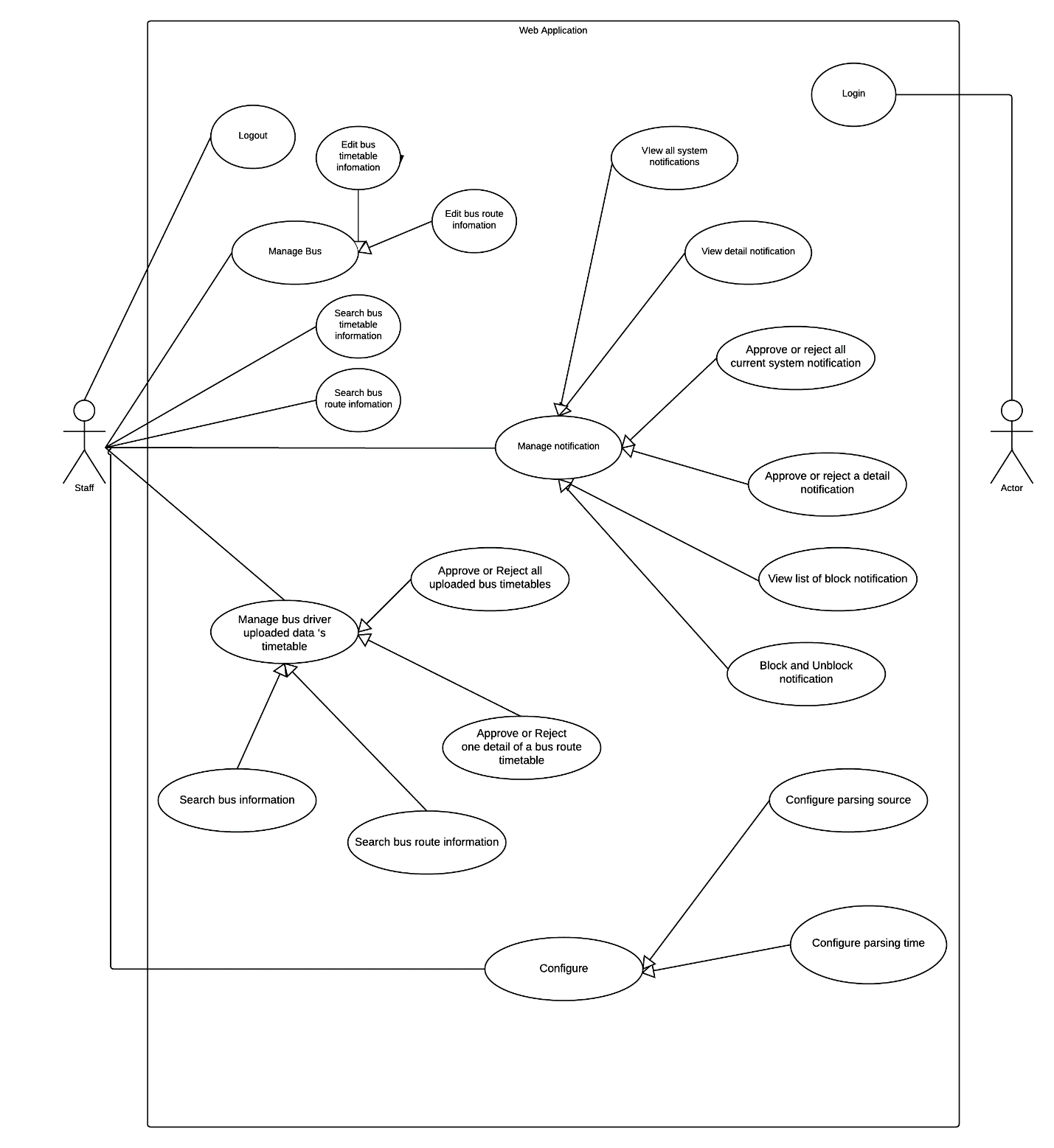
### System overview use case



### List of Use Case

#### Web Application

##### <Guest> Overview Use Case



Figure <Guest> Overview Use Case

###### <Guest> Login



Figure <Guest> Login

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WG01 | | | |
| Use Case No. | WG01 | **Use Case Version** | 2.0 |
| Use Case Name | Login | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Normal |
| Actor:   * Guest   Summary:   * This use case allows guest to log in the system.   Goal:   * Guest can log in the system.   Triggers:   * Guest sends the login command.   Preconditions:   * N/A   Post Conditions:   * Success: Guest login the system. * Fail: N/A.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest goes to login view. | System requires identity information from Guest:   * Guest code: free text input. * Password: free text input. | | 2 | Guest inputs information. |  | | 3 | Guest sends command to login to system | Guest will login system with staff 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: “Invalid username or password”. |   Exceptions: N/A  Relationships: N/A  Business Rules:   * Password encrypted before being send to server. * After login to system successful, guest will be redirected to specific view based on their role on the system: staff or admin. * If role is “Admin”, the system will display to Admin view. * If role is “Staff”, the system will display to Staff Dashboard view | | | |

Table Use case WG01 - <Guest> Login

##### <Staff> Overview Use Case

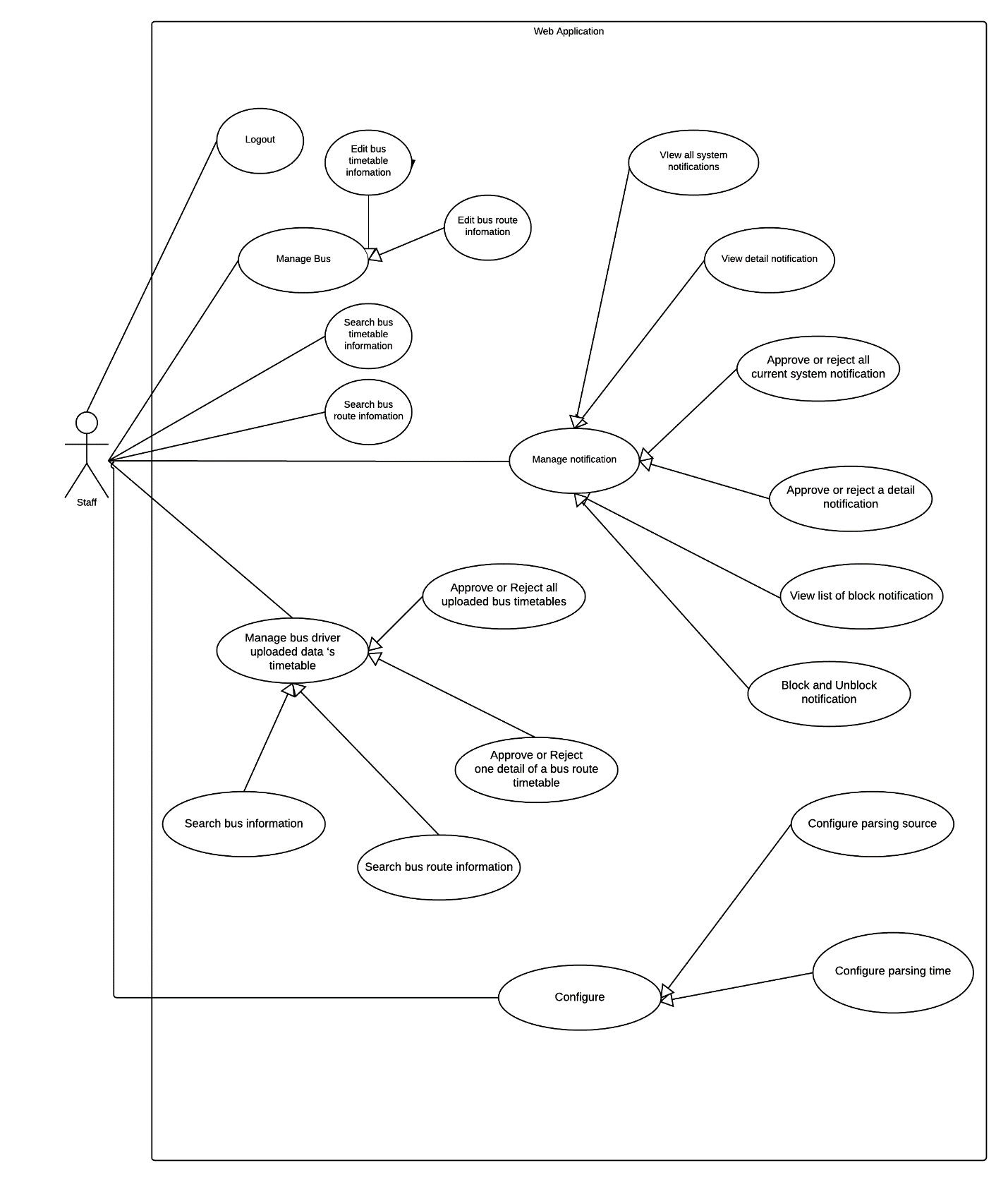


Figure <Staff> Overview Use Case

###### <Staff> Logout



Figure <Staff> Logout

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS01 | | | |
| Use Case No. | WS01 | **Use Case Version** | 2.0 |
| Use Case Name | Logout | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Normal |
| Actor:   * Staff   Summary:   * This use case allows staff logout the system.   Goal:   * Staff can logout the system.   Triggers:   * Staff sends logout command.   Preconditions:   * Session must be expired.   Post Conditions:   * Success: Staff logs out the system. * Fail: N/A.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff sends logout command. | Staff exists from system.  [Exception 1] |   Alternative Scenario: N/A  Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Session timeout | User has been logged out then navigate to login page because of inactivity too long. |   Relationships: N/A  Business Rules:   * If user is inactive in 30 minutes, system will automatically log user out. | | | |

Table Use case WS01 - <Staff> Logout

###### <Staff> Search bus route information

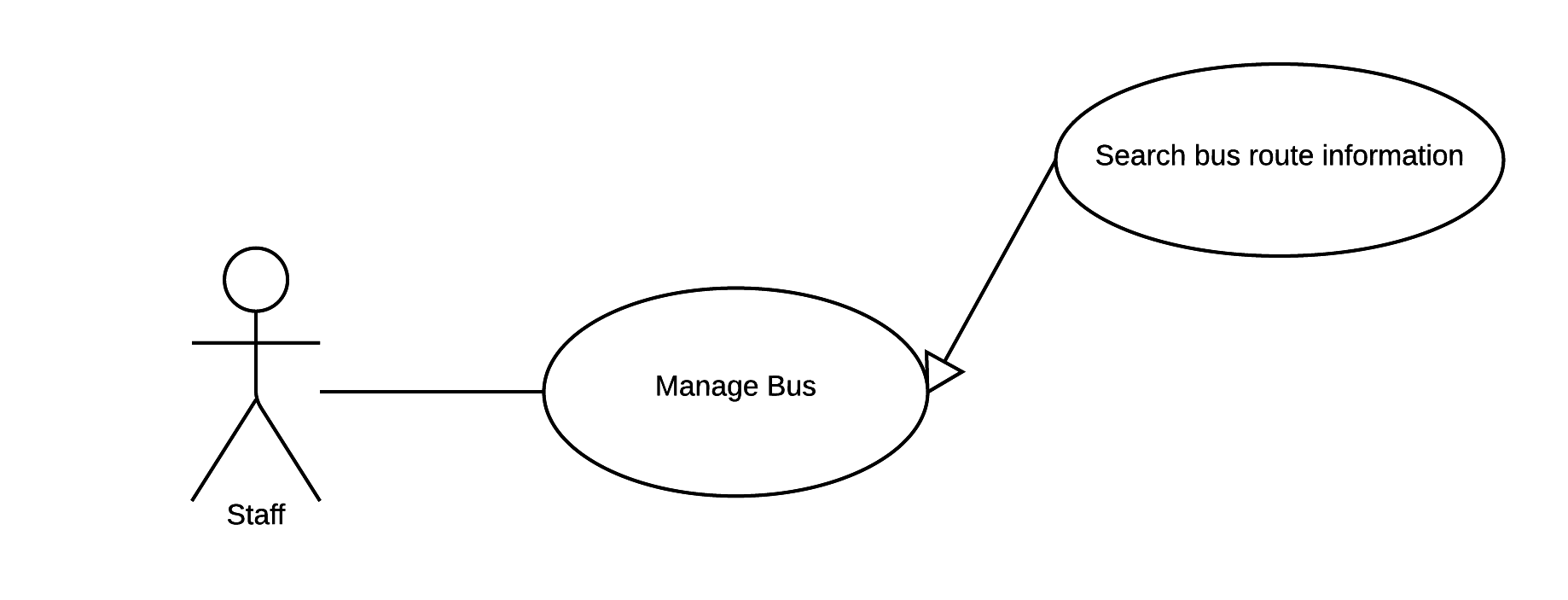


Figure <Staff> Search bus route information

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS02 | | | |
| Use Case No. | WS02 | **Use Case Version** | 2.0 |
| Use Case Name | Search bus route information | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Normal |
| Actor:   * Staff   Summary:   * This use case allows staff search bus route and this function will implement on web application.   Goal:   * System provide search bus route to support staff find bus route faster.   Triggers:   * Staff sends search command within input search following criterion: route no, route name.   Preconditions:   * Staff must login into the system with roles Staff.   Post Conditions:   * Success: Information of bus timetable, which staff requested show on screen. * Fail: N/A.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff sends search command. | Display search bus route information view with following information :   * Input search field: free text input. * Table contain list record matched includes :   + Column 1: route id.   + Column 2: route no – link to view detail route.   + Column 3: route name – link to view detail route.   + Column 4: action     - update route.     - delete route.   + Show message “No record found” on table if search bus route requested not match. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Text input is accented Vietnamese. * Not support search almost right. | | | |

Table Use case WS02 - <Staff> Search bus route information

###### <Staff> Search bus timetable information

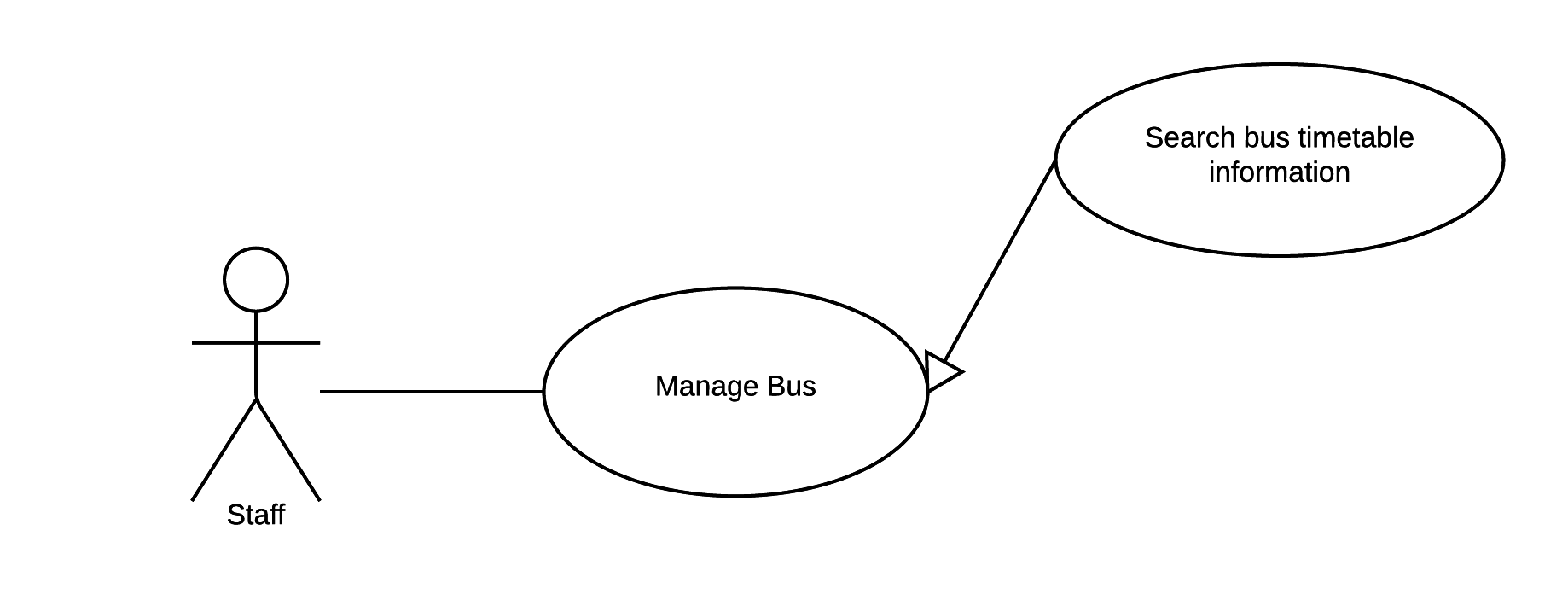


Figure <Staff> Search bus timetable information

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS03 | | | |
| Use Case No. | WS03 | **Use Case Version** | 2.0 |
| Use Case Name | Search bus timetable information | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Medium |
| Actor:   * Staff.   Summary:   * This use case allow staff search bus timetable information and this function will implement on web application.   Goal:   * The system provide search bus timetable to help staff find bus timetable faster.   Triggers:   * Staff sends search command within input search following criterions: trip no, trip time.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Information of bus’s timetable, which staff requested show on screen. * Fail: N/A.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to search bus timetable view. | Display search bus route information view with following information :   * Search field: date picker. * Route no: text. * Route name: text. * Route type: option   + Depart   + Return * Table contain list record matched includes :   + Column 1: trip no.   + Column 2: start time of trip.   + Column 3: end time of trip.   + Show message “No record found” on table if search bus route requested not match. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * System show list of bus timetable associate with route type. * Default of route type is depart. | | | |

Table Use case WS03 - <Staff> Search bus timetable information

###### <Staff> View all system notification

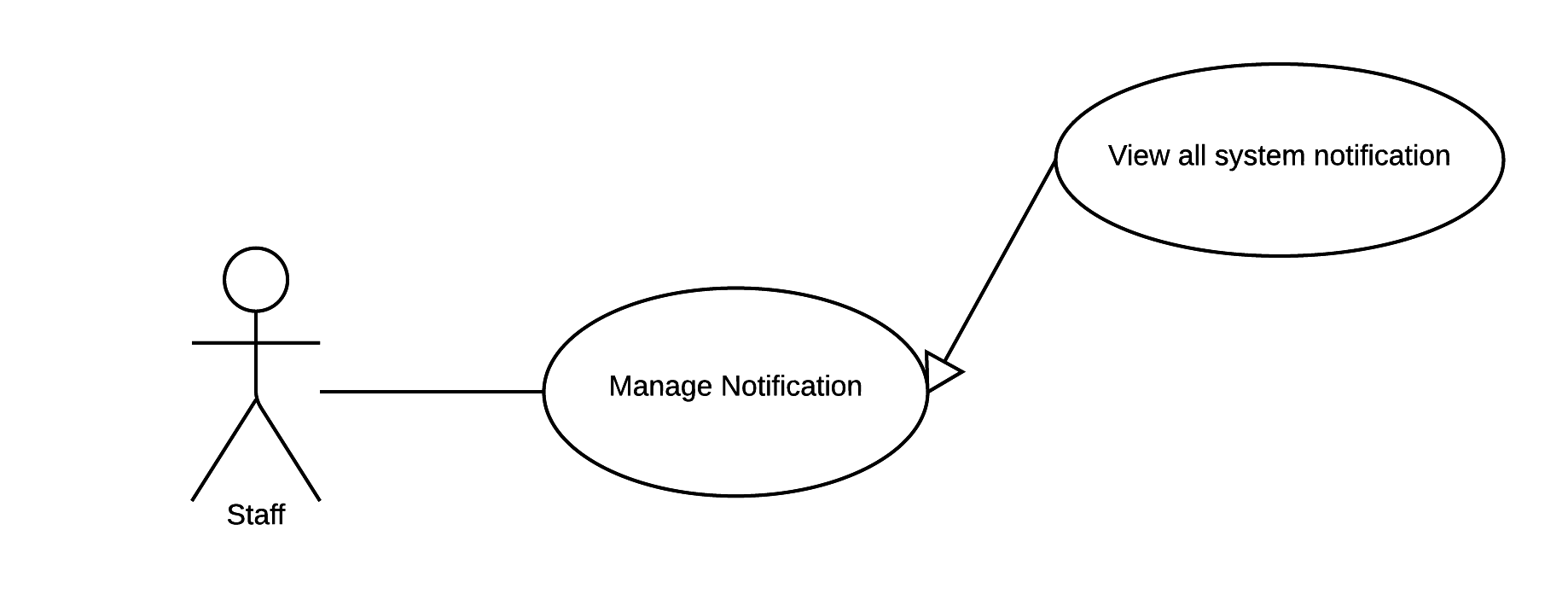


Figure <Staff> View all system notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS04 | **Use Case Version** | 2.0 |
| Use Case Name | View all system notification | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | High |
| Actor:   * Staff.   Summary:   * This use case allows staff view all system notifications and this function will implement on web application.   Goal:   * System provide view all system notification function to help staff manage better.   Triggers:   * Staff sends view command.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: A list of all system notifications, which staff requested show on screen. * Fail: N/A.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Send view all command. | Display all system notification view with following information:   * Search field: text. * Show list notification, each notification includes :   + Content message: link to view detail   + Action :     - Approve notification     - Reject notification     - Block notification   + Time of notification arrive. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * List of system notification will be sorted by time of notification arrive in descending order. | | | |

Table Use case WS04 - <Staff> View all system notification

###### 1.1.1.2.5. <Staff> View detail notification

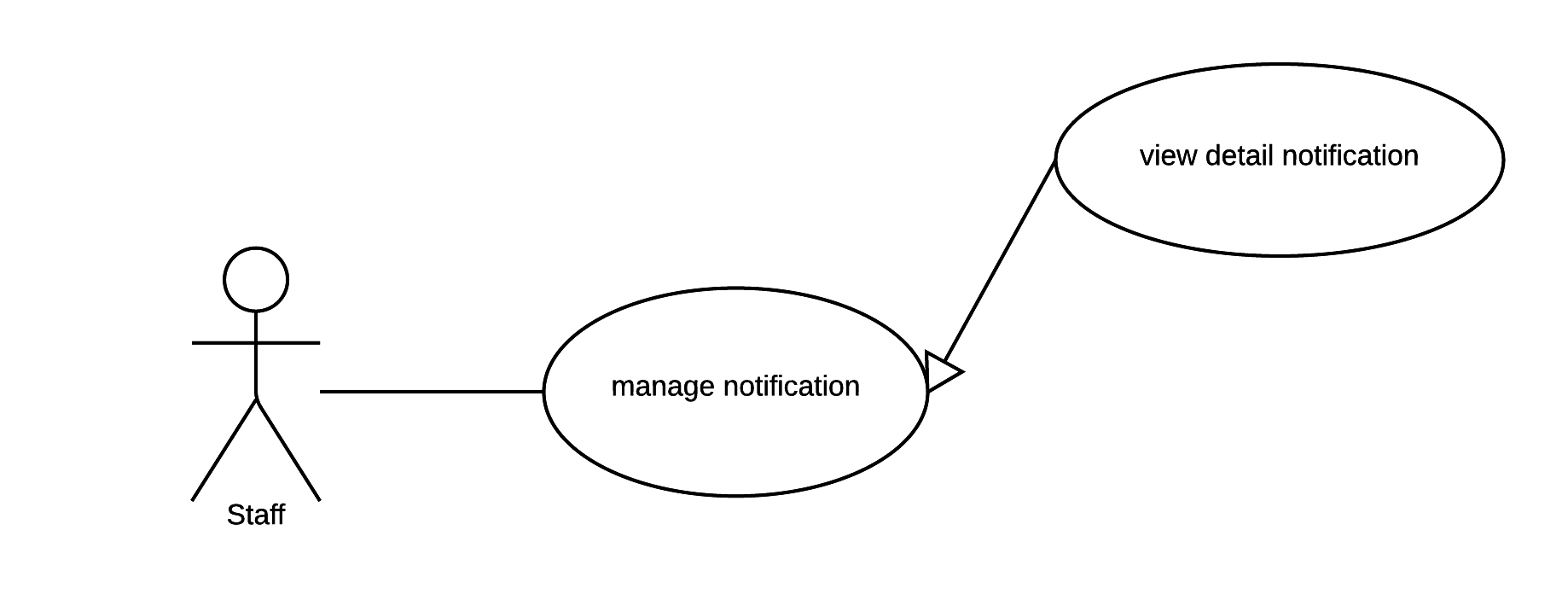


Figure <Staff> View detail notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS03 | | | |
| Use Case No. | WS05 | **Use Case Version** | 2.0 |
| Use Case Name | View detail notification | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to view detail notification and this function will implement on web application.   Goal:   * System provide view detail notification function to help staff manage notification detailed.   Triggers:   * Staff can view detail notification.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Detail information of notification show on screen.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to detail notification view. | Detail notification view will show with following labels and fields:   * Route name: text. * Route no: text. * Route type: option:   + Depart   + Return   Display list of detail notifications on table includes:   * Column 1: index. * Column 2: type time (start time or end time). * Column 3: old notification. * Column 4: new notification. * Column 5: action :   + Approve.   + Reject. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Date of new notification is newest. * Date of old notification is newest. * List of notifications associate with route’s type * List of notifications sorted by date in descending order. | | | |

Table Use case WS03 - <Staff> View detail notification

###### 1.1.1.2.6. <Staff> Approve or reject all current system notification



Figure 25 <Staff> Approve or reject all current system notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS06 | **Use Case Version** | 2.0 |
| Use Case Name | Approve or reject all current system notification | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to approve or reject all current system notification.   Goal:   * Staff can approve or reject all current system notification.   Triggers:   * Staff sends approve or reject all command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: All current system notification will be approved or rejected. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to system notification view |  | | 2 | Staff send approve or reject all commands. | The system will approve or reject all system notification. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * When all notifications are approved, system will update all changes. | | | |

Table 28 Use case WS04 - <Staff> Resolve compensation request

###### 1.1.1.2.7. <Staff> Approve or reject detail notification



Figure 25 <Staff> Approve or reject detail notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS07 | **Use Case Version** | 2.0 |
| Use Case Name | Approve or reject detail notification | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to approve or reject detail notification.   Goal:   * Staff can approve or reject detail notification.   Triggers:   * Staff sends approve or reject command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Detail of notification will be approved or rejected. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to detail notification view |  | | 2 | Staff send approve or reject commands. | The system will approve or reject notification. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * When all notification is approved, system will update all changes. | | | |

Table 28 Use case WS04 - <Staff> Approve or reject detail notification.

###### 1.1.1.2.8. <Staff> View list of block notification

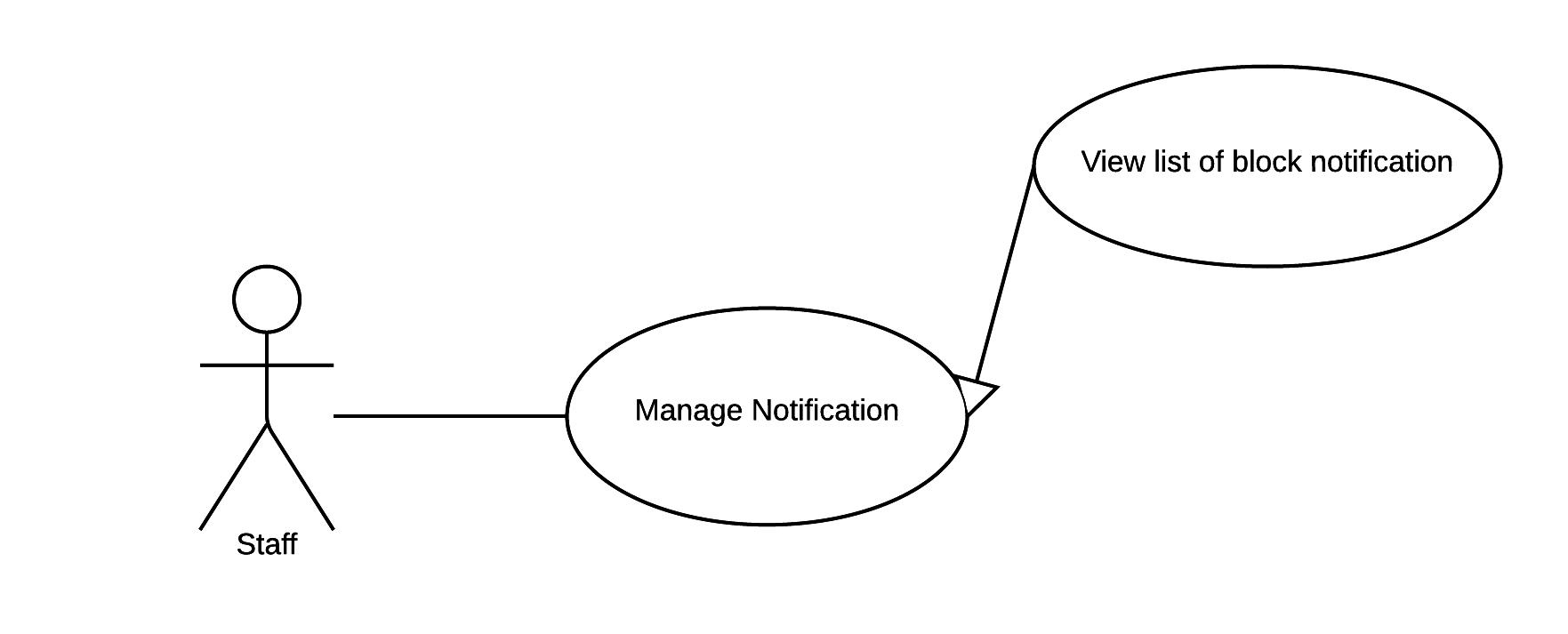


Figure 25 <Staff> View list of block notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | View list of block notification. | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to view list of block notification.   Goal:   * Staff can view list of block notifications.   Triggers:   * Staff sends view list of block notifications command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: List of block notification will be show. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to list of block notification view. | The system show list of block notification on screen. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Each page result has maximum 10 results. * List of block notifications will be sorted by date in descending order. | | | |

Table 28 Use case WS04 - <Staff> View list block notification.

###### 1.1.1.2.9. <Staff> Unblock notification



Figure 25 <Staff> Unblock notification

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | Unblock notification. | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to unblock notification.   Goal:   * Staff can view unblock notification.   Triggers:   * Staff sends view list of block notification command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Notification will unlock. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to list of block notification view. | The system show list of block notification on screen. | | 2 | Staff send unlock command. | The system unlock notification, which staff request. The unlocked notification will move out of list of block notification. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Unlock notification is loaded from system. * When notification is unlock, the system will continue to notify staff about route, which contain this notification. | | | |

Table 28 Use case WS04 - <Staff> Unlock notification.

###### 1.1.1.2.10. <Staff> Configure parsing source

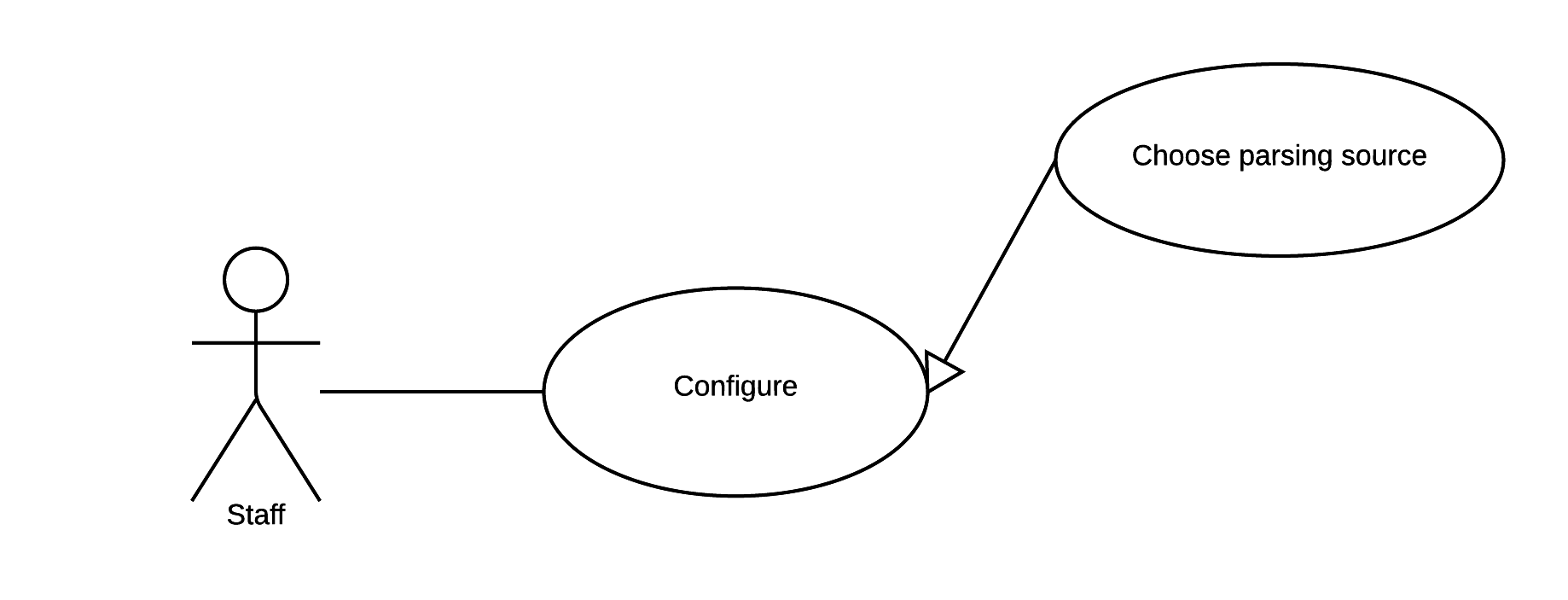


Figure 25 <Staff> Configure parsing source

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | Configure parsing source. | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to choose parsing source.   Goal:   * Staff can choose parsing source.   Triggers:   * Staff sends choose parsing source command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Show successful message. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to choose parse view. | The system show two option parse:   * Parsing from file.   [Alternative 1]  [Exception 1]   * Parsing from web.   [Alternative 2]  [Exception 2] | | 2 | Staff send choose parsing source command. | If staff configure parsing from file, system let staff to choose source from file.  If staff configure parsing from web, system will source specified from web. |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | If staff choose wrong file. | Show message to notify that the current file is wrong. | | 2 | If web server for parsing is not working. | Show message to notify that web is not working at this time and parse in another time. |   Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff send parse from file command. | Show message to notify staff that the current file cannot parse and check again. | | 2 | Staff send parse from web command. | Show message to notify staff that parsing is interrupt and parse in another time. |   Relationships: N/A  Business Rules:   * When system parsing, system has disallowed staff interact with system until system done parsing. | | | |

Table 28 Use case WS04 - <Staff> Configure parsing source.

###### 1.1.1.2.11. <Staff> Configure parsing time

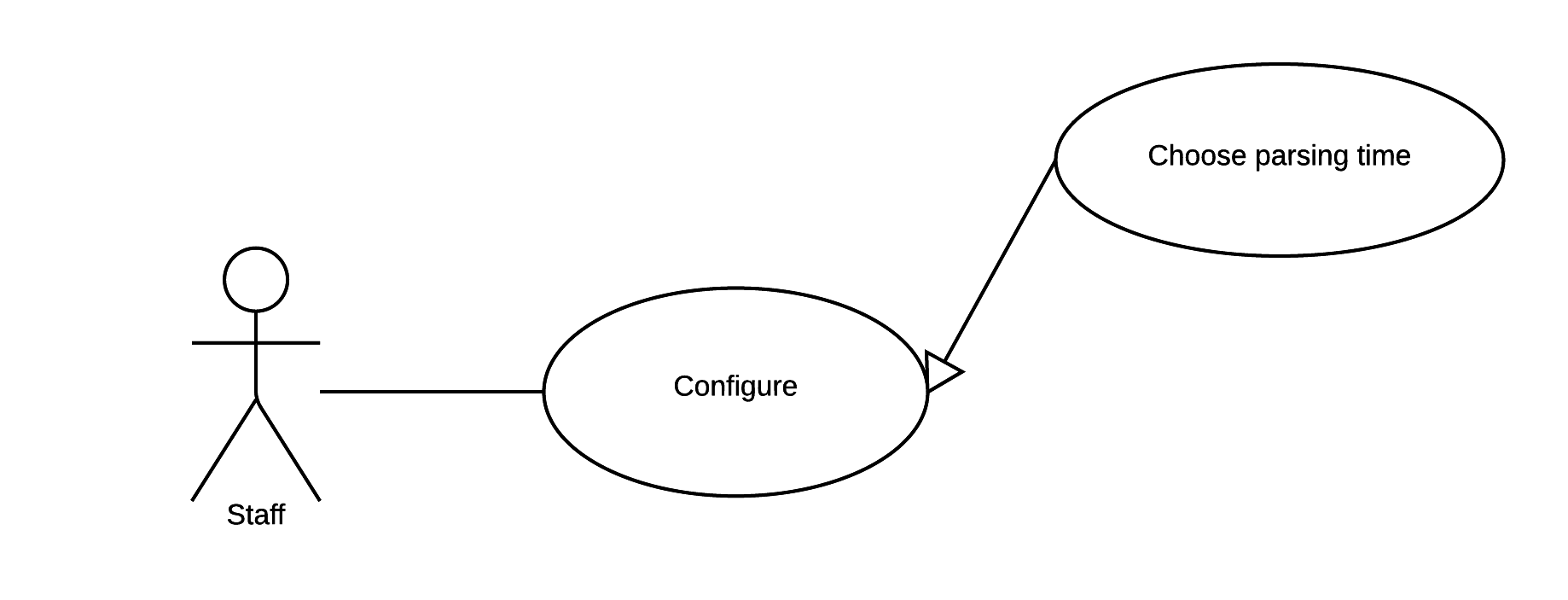


Figure 25 <Staff> Configure parsing time

|  |  |  |  |
| --- | --- | --- | --- |
| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | Configure parsing time. | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | medium |
| Actor:   * Staff.   Summary:   * This use case allows staff to choose parsing time.   Goal:   * Staff can choose parsing time.   Triggers:   * Staff sends configure parsing time command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Show successful message. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to configure parse view. | Configure parsing time view shown with following information:   * Date Picker. * Repeat. | | 2 | Staff send choose parsing time command. | System will show a success message.  [Alternative 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Configuration does not change. | Show message that for staff know that no configuration change. |   Exceptions: N/A  Relationships: N/A  Business Rules:   * From 11:00 PM to 11:59 PM, 0:00 AM to 4:00 AM | | | |

Table 28 Use case WS04 - <Staff> Choose parsing time.