### List of Use Case

#### Web Application

##### <Guest> Overview Use Case



Figure <Guest> Overview Use Case

###### <Guest> Login



Figure <Guest> Login

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| 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: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest goes to login view. | System requires identity information from Guest:   * Email or customer code: free text input, required, length 3 – 250 * Password: free text input, required, length 6 – 32 | | 2 | Guest inputs information. |  | | 3 | Guest sends 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 | Missing of required fields | System notify guest to enter their identity information |   Relationships: N/A  Business Rules:   * Password are encrypted before being sent to server. * After login to system, guest will be redirected to specific view based on their role on the system: staff or customer. * If role is “Guest”, the system will display to Customer view. * If role is “Staff”, the system will display to Staff Dashboard view. | | | |

Table Use case WG01 - <Guest> Login

##### <Staff> Overview Use Case

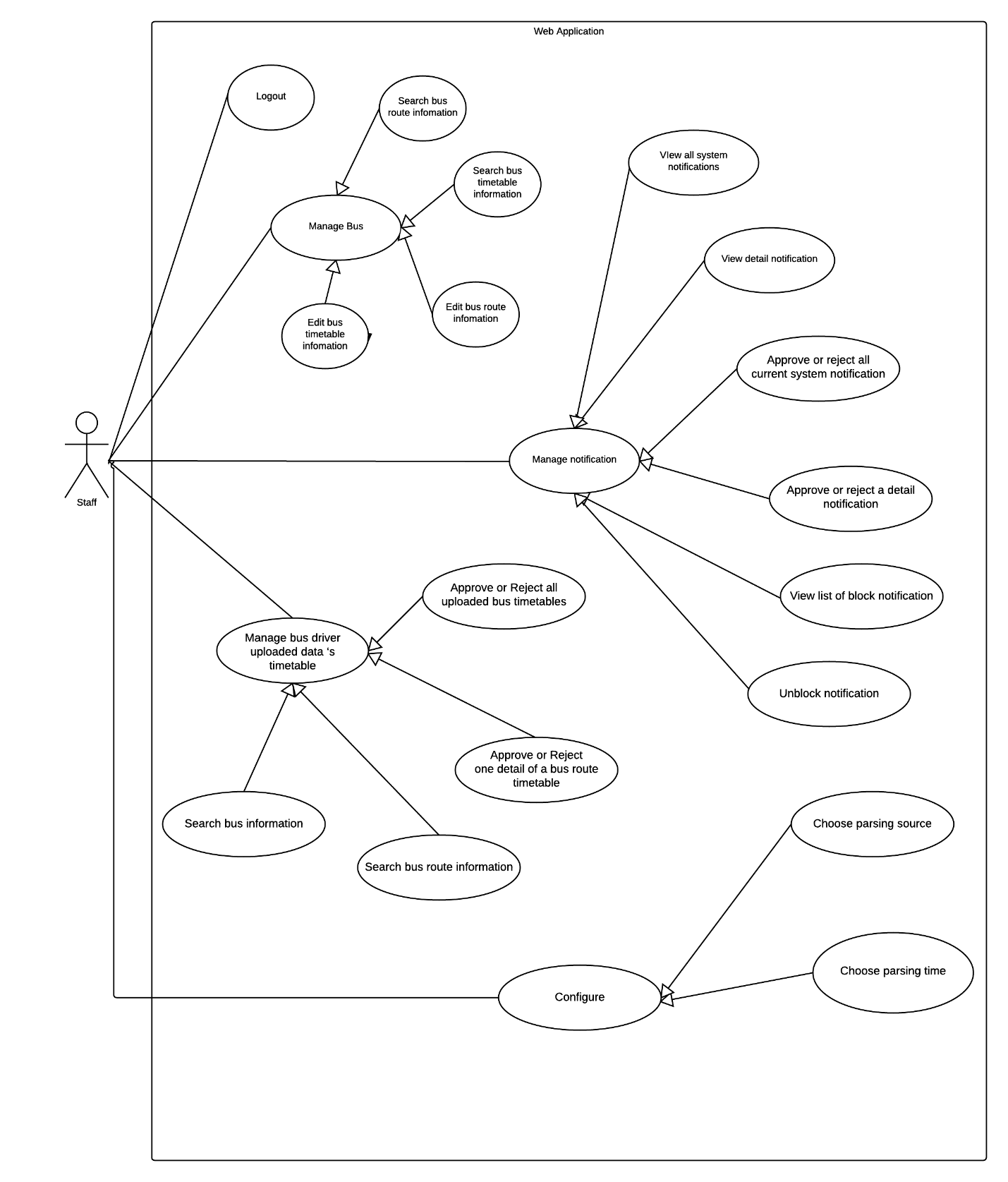


Figure <Staff> Overview Use Case

###### <Staff> Logout



Figure <Staff> Logout

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| 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:   * Staff must login into the system.   Post Conditions:   * Success: Staff logs out the system. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff sends logout command | User exists from system. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * If user is inactive in 60 minutes, system will automatically log user out. | | | |

Table Use case WS01 - <Staff> Logout

###### <Staff> Search bus route notification

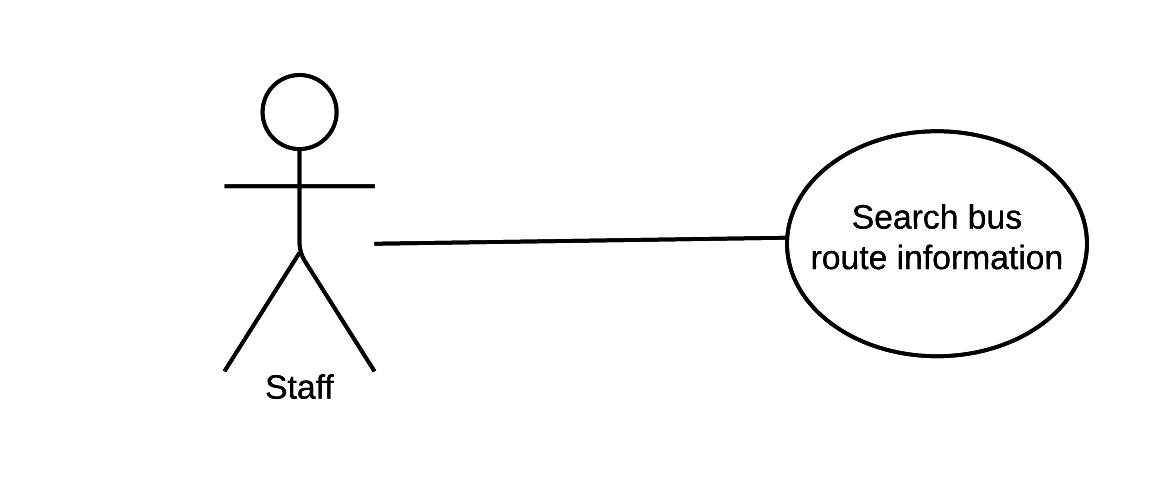


Figure <Staff> Search bus route information

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| USE CASE – WS02 | | | |
| Use Case No. | WS02 | **Use Case Version** | 2.0 |
| Use Case Name | Search bus route notification | | |
| Author | DatNT | | |
| Date | 23/09/2015 | **Priority** | Normal |
| Actor:   * Staff   Summary:   * This use case allows staff search bus route information.   Goal:   * Staff can search information of bus route.   Triggers:   * Staff sends search command within text.   Preconditions:   * Staff must login into the system with roles Staff.   Post Conditions:   * Success: Information of bus route, which staff requested show on screen. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to search view. | Search bus route information view will show all information of bus route on table:   * Input search field: on top-right of table and free input text. | | 2 | Staff sends search command | Show list information of bus route, which requested. |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Within search text requested, system does not find out an item matched. | Show message on table: “0 result founded.” |   Exceptions: N/A  Relationships: N/A  Business Rules:   * List of bus route information is always update daily at 0:00 AM. * Page navigation must be display if list of bus route information have over ten item, which match text search. | | | |

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

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

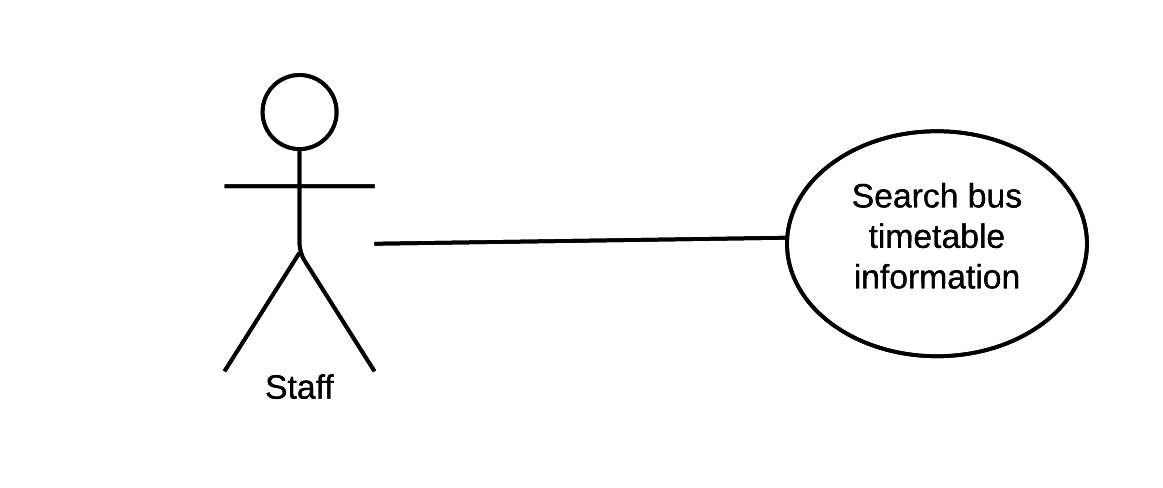


Figure <Staff> Search bus timetable information

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| 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.   Goal:   * Staff can find out bus timetable information, which they required.   Triggers:   * Staff sends search command within text search.   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: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to search bus timetable view. | New card request view will show all information of bus timetable on table:   * Input search field: on top-right of table and free input text. | | 2 | Staff sends search command | Show list information of bus timetable, which requested. |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Within search text requested, system does not find out an item matched. | Show message on table: “0 result founded.” |   Exceptions: N/A  Relationships: N/A  Business Rules:   * List of bus route information is always update daily at 0:00 AM. * Page navigation must be display if list of bus route information have over ten item, which match text search. * Table will be empty if system does not find out bus route associated. | | | |

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

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

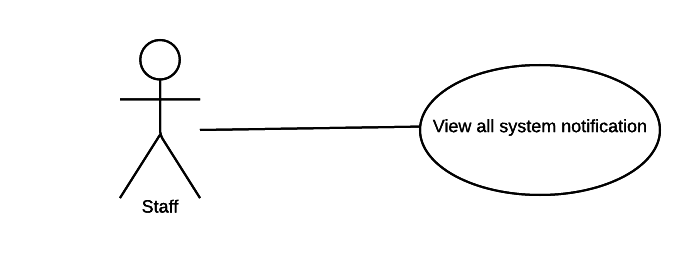


Figure <Staff> View all system notification

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| 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 notification.   Goal:   * Staff can view all system notifications.   Triggers:   * Staff sends view command.   Preconditions:   * User must login into the system with role Staff.   Post Conditions:   * Success: A list of all system notifications, which staff requested show on screen. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Send view all command. | List of all system notification which request will be show. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * The notifications is loaded from system. * The date updated of notification will show at left below of notification. * If staff read message, the text “seen” at right below of notification. * Pagination must be displayed if number of notifications larger than 10. * Search bar on the top help user finding notifications faster. * List of system notifications will be sorted by date in descending order. | | | |

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

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

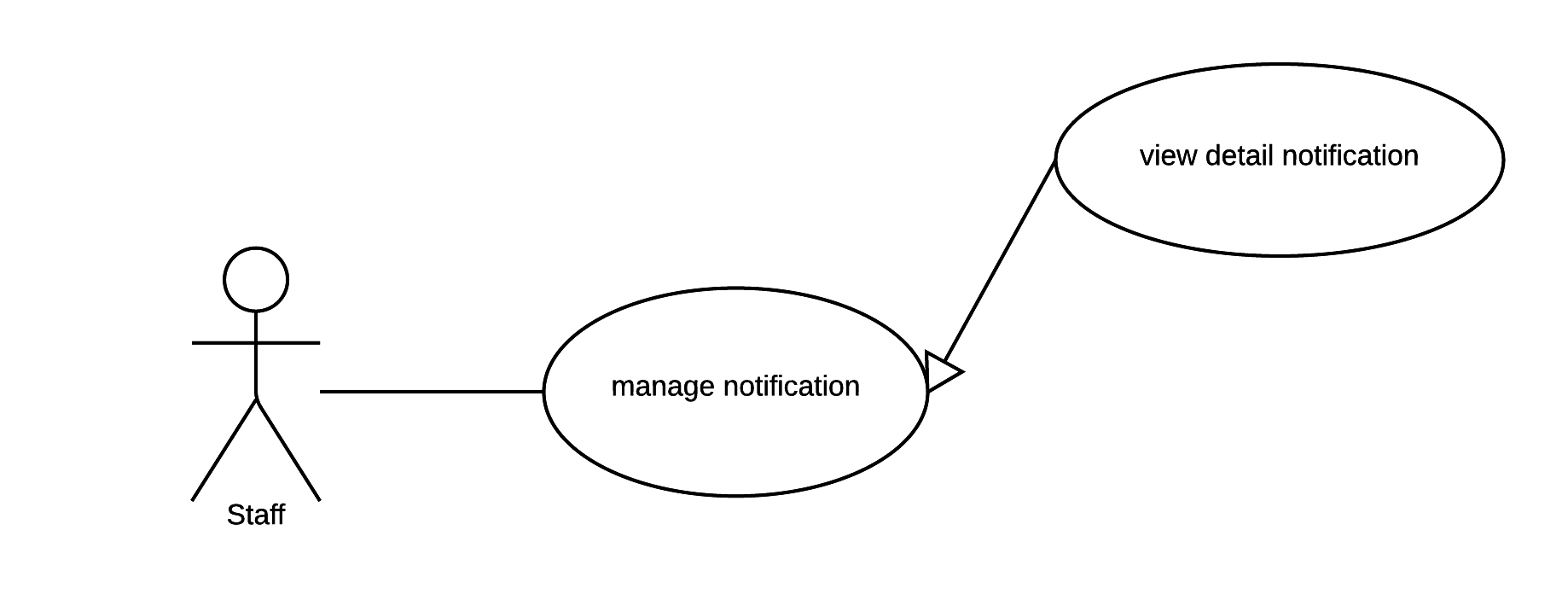


Figure <Staff> View detail notification

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| 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.   Goal:   * Staff can find out bus timetable information, which they required.   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. * Fail: Show error message.   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’s name. * Route’s no. * Route’s type. * Old notification. * New notification. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Detail notification is loaded from system. * Choose route’s type to choose notification attached on this type. * Date of new notification is newest. * Date of old notification is newest. * Pagination must be displayed if number of notifications larger than 6. * List of system notifications will be 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

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| 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 send approve or reject all command. | 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. * When all notifications are rejected, these notifications will move out of list of system notifications and data will not change. The system will not notify in one month later. | | | |

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

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| 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 send approve or reject command. | The system will approve or reject detail notification. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * When all notification is approved, system will update all changes. * When all notification is rejected, this notification will move out of list of system notifications and data will not change. The system will not notify in one month later. | | | |

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

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

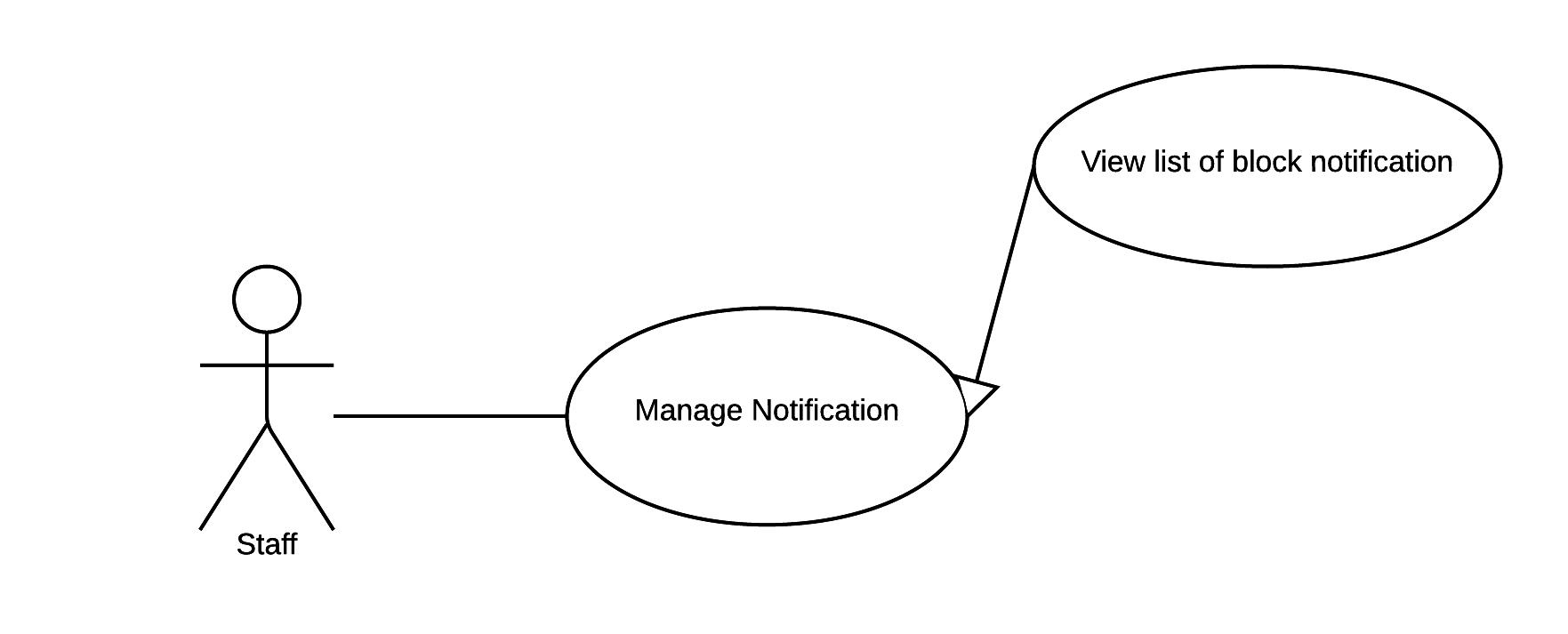


Figure 25 <Staff> View list of block notification

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| 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 notification.   Triggers:   * Staff sends view list of block notification 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:   * The notifications is loaded from system. * Pagination must be displayed if number of notifications larger than 10. * Search bar on the top help user finding notifications faster. * 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

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| 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> Choose parsing source

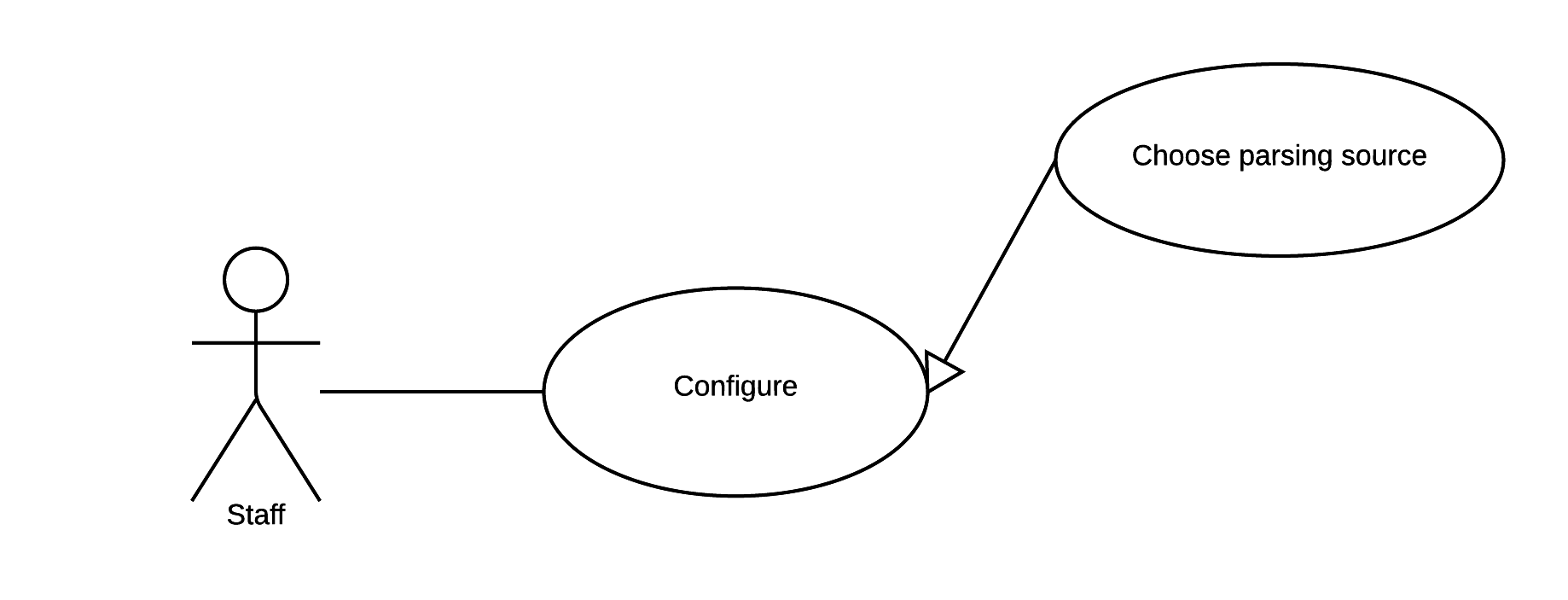


Figure 25 <Staff> Choose parsing source

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| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | Choose 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: Source will be parsed. * 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:   * Choose parsing from file.   [Alternative 1]  [Exception 1]   * Choose parsing from web.   [Alternative 1] | | 2 | Staff send choose parsing source command. | If staff choose parsing from file, system let staff to choose source from file.  If staff choose 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> Choose parsing source.

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

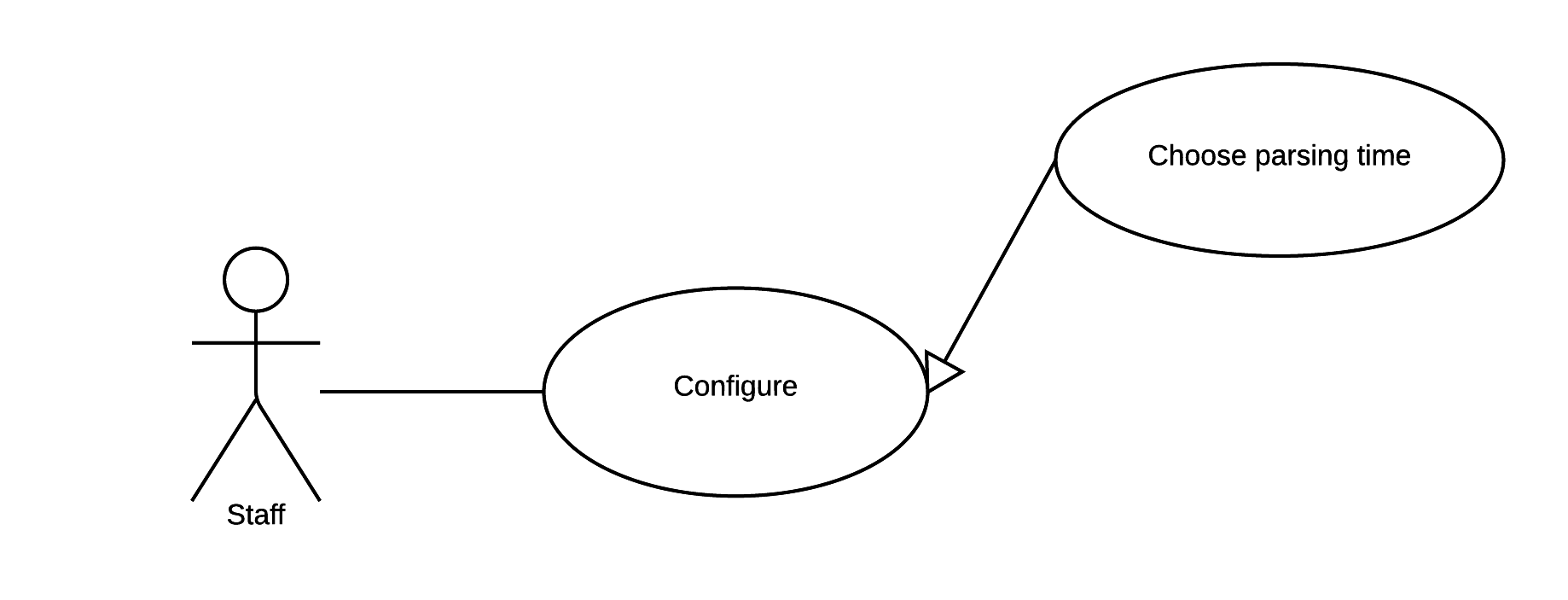


Figure 25 <Staff> Choose parsing time

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| USE CASE – WS04 | | | |
| Use Case No. | WS08 | **Use Case Version** | 2.0 |
| Use Case Name | Choose 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 choose parsing time command.   Preconditions:   * Staff must login into the system with role Staff.   Post Conditions:   * Success: Source will be parsed. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff goes to choose parse view. |  | | 2 | Staff send choose parsing time command. | System will parse source daily at 0:00 AM.  [Exception 1]. |   Alternative Scenario: N/A  Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff send parsing at time command. | Show message to notify staff that parsing today is interrupt. |   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> Choose parsing time.