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| **USE CASE – LRA001** | | | |
| **Use Case No.** | LRA001 | **Use Case Version** | 1.0 |
| **Use Case Name** | Create Account | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to create new account in the system.   **Goal:**   * New account will be added to the system.   **Triggers:**   * Admin wants to create new account. * From the sidebar:   + Choose “Account Management” menu.   + Choose “Create new account” button.   **Preconditions:**   * User must login the system with admin role.   **Post Conditions:**   * **Success:** New account will be added to the database. * **Fail:** Show error message on the current page.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click menu item “Account Management”. | Navigate to “Account Management” page which contains:   * “Create new account” button. * A table with 5 columns:   + Username.   + Email address.   + Role.   + Status.   + Edit. * “Username”: label. * “Email address”: label. * “Role”: label. * “Activate”: button or “Deactivate”: button * “Edit”: button. | | 2 | Admin clicks “Create new account” button. | Navigate to “Create new account” popup which contains:   * Username: textbox, min length: 5, max length: 100, required. * Password: textbox, min length: 5, max length: 100, required. * Re-password: textbox, min length: 5, max length: 100, required. * Email address: regular expression: /^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@@[a-z0-9-]+(\.[a-z0-9-]+)\*(\.[a-z]{2,4})$/ required. * Role: drop down list, “user" default. * “Create account”: button. * “Clear”: button. | | 3 | Admin fills data to the form.  Admin clicks “Create account” button.  [Alternative 1] | Insert new account to the database and close popup  [Exception 1, 2, 3,4,5] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin clicks “Clear” button”. | Clear all input data. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | “Username” is not in range [5-100]. | “Username” textbox border color is red. | | 2 | “Password” is not in range  [5-100]. | “Password” textbox border color is red. | | 3 | “Username” has already existed. | Show message: “Username has already existed!” and “Username” textbox border color is red. | | 4 | “Re-password” and “Password” do not match. | “Password” textbox border color is red.  “Re-password” textbox border colour is red. | | 5 | Invalid email format. | “Email address” textbox border colour is red. |   **Relationships:** N/A  **Business Rules:**   * Each created account must be in active state when insert to database. | | | |

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| **USE CASE – LRA002** | | | |
| **Use Case No.** | LRA002 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update Account | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin to update information for user accounts.   **Goal:**   * New information will be updated to the database.   **Triggers:**   * Admin wants to change some information.   **Preconditions:**   * User must log in system with admin role.   **Post Conditions:**   * **Success:** New information will be updated to the database. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click menu item “Account Management”. | Navigate to “Account Management” page which contains:   * “Create new account” button. * A table with 5 columns:   + Username.   + Email address.   + Role.   + Status.   + Edit. * “Username”: label. * “Email address”: label. * “Role”: label. * “Activate”: button or “Deactivate”: button * “Edit”: button. | | 2 | Click “Edit” button. | Navigate to “Update account” popup, which contains:   * Username: textbox, disabled. * Password: textbox, min length: 5, max length: 100. * Re-password: textbox, min length: 5, max length: 100. * Email address: regular expression: /^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@@[a-z0-9-]+(\.[a-z0-9-]+)\*(\.[a-z]{2,4})$/ required. * Role: drop down list, “user" default. * “Save”: button. | | 3 | Admin updates “Password”, “Email address”, “Role”.  Click “Save” button. | New information will be updated to the database and  Close the popup.  [Exception1,2,3] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | “Password” is not in range  [5,100]. | “Password” textbox border colour is red. | | 2 | Invalid email format. | Show error message: “Email address must be valid format!” | | 3 | “Re-password” and “Password” do not match | “Password” textbox border colour is red.  “Re-password” textbox border colour is red. |   **Relationships:** N/A  **Business Rules:**   * Cannot edit “Username”. | | | |

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| **USE CASE – LRA003** | | | |
| **Use Case No.** | LRA003 | **Use Case Version** | 1.0 |
| **Use Case Name** | Activate Account | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Admin   **Summary:**   * This user case allows admin to activate a user account.   **Goal:**   * Deactivated accounts will be activated again.   **Triggers:**   * Admin wants to activate an account so that it can be used to log in the system again.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success:** The selected account will be activated. * **Fail:** No account is activated.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click menu item “Account Management”. | Navigate to “Account Management” page which contains:   * “Create new account” button. * A table with 5 columns:   + Username.   + Email address.   + Role.   + Status.   + Edit. * “Username”: label. * “Email address”: label. * “Role”: label. * “Deactivate”: button * “Edit”: button. | | 2 | Click “Deactivate” button. | The account will be activating and button name change to “Active”  [Exception1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot activate the account due to database connection. | Show error message: “Cannot active the account! Please try again later.” |   **Relationships:** Manage User  **Business Rules:**   * Admins cannot activate/deactivate account of themselves or other admins. | | | |

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| **USE CASE – LRA004** | | | |
| **Use Case No.** | LRA004 | **Use Case Version** | 1.0 |
| **Use Case Name** | Deactivate Account | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Admin   **Summary:**   * This user case allows admin to deactivate an account.   **Goal:**   * An active account will be deactivated.   **Triggers:**   * Admin don’t want the user to login in system. * Admin will deactivate an account.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success:** The selected account will be deactivated. * **Fail:** Database connection is not available. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click menu item “Account Management”. | Navigate to “Account Management” page which contains:   * “Create new account” button. * A table with 5 columns:   + Username.   + Email address.   + Role.   + Status.   + Edit. * “Username”: label. * “Email address”: label. * “Role”: label. * “Activate”: button   “Edit”: button. | | 2 | Click “Activate” button. | The account will be deactivating and button name change to “Deactivate”  [Exception1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot activate the account because of database connection. | Show error message: “Cannot deactivate the account! Please try again later.” |   **Relationships:** Manage Account  **Business Rules:**   * Admins cannot activate/deactivate account of themselves or other admins. | | | |

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| **USE CASE – LRA005** | | | |
| **Use Case No.** | **LRA005** | **Use Case Version** | 1.0 |
| **Use Case Name** | Configure System | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to configure the system.   **Goal:**   * System parameters will be configured by admin.   **Triggers:**   * Staff wants to change system parameter, such as “Parser running time automatically everyday”. * From the sidebar:   + Choose “System” menu.   + Choose “Configure System” sub-menu.   **Preconditions:**   * User must log in the system with Staff role.   **Post Conditions:**   * **Success:** New parameter will be saved to configuration file. * **Fail:** Nothing is saved to configuration file.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click at “Configure System” link in sub-menu. | Show “Configure System” page which contains:   * “Parser running time automatically everyday”: textbox, min time: 00:00, max time: 23.58, type: time, required. * “Save”: button. | | 2 | Staff changes system parameters. |  | | 3 | Click on “Save” button.  [Exception 1] | * Save data to configuration file. * Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Connection to database error. | Show error message: “Cannot update new system configuration! Please try again later.” |   **Relationships:** N/A  **Business Rules:**   * “Parser running time automatically everyday” mean time the system auto parser product by link staff approved. | | | |

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| **USE CASE – LRA006** | | | |
| **Use Case No.** | **LRA006** | **Use Case Version** | 1.0 |
| **Use Case Name** | Save Not Available Laptop | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 17/05/2015 | **Priority** | High |
| **Actor:**   * System.   **Summary:**   * This use case allows system save laptops, which are searched by user but do not exist in. * Record user’s email if they want to be notified when the laptop is available.   **Goal:**   * Staff will be requested to add new laptop to database by system.   **Triggers:**   * User search a laptop is not existed in database.   **Preconditions:**   * None   **Post Conditions:**   * **Success:** Keyword saved to database. * **Fail:** Nothing is saved to database.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User type a laptop name not available in database in text field and click at “Search” button in sub-menu. | Show popup page which contains:   * “The laptop you are looking for is not available! If you want to be notified when it’s available, please enter your email below ” * Email address: regular expression: /^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@@[a-z0-9-]+(\.[a-z0-9-]+)\*(\.[a-z]{2,4})$/ required. * “Confirm”: button. * “No, thanks”: button | | 2 | User enter their email address. |  | | 3 | Click on “Confirm” button.  [Exception 1] | * Save the keyword to database. * Save user’s email to database. * Show success message. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User clicks “No, thanks” button. | * Save the keyword to database. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Invalid email format. | Show error message: “Email address must be valid format!” |   **Relationships:** N/A  **Business Rules:**   * None | | | |