

2.3.1<Member> Overview Use case



Figure 1: <Member> Overview Use case

**2.3.1.1 <Member>** **Edit profile Use Case Diagram**



Figure 2: **<Member> Edit profile Use case Specification**

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| **USE CASE – LPS001** | | | |
| **Use Case No.** | LPS001 | **Use Case Version** | 1.0 |
| **Use Case Name** | Edit profile | | |
| **Author** | HonNV | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Member   **Summary:**   * This use case allows members to edit their profile in the system.   **Goal:**   * Profile will be updated to the system.   **Triggers:**   * Members wants to edit their profile. * From the sidebar:   + Choose settings icon -> “Manage profile” tag.   **Preconditions:**   * User must login the system with Member or Admin role.   **Post Conditions:**   * **Success:** Profile will be updated to the database. * **Fail:** Show error message on the current page.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click settings icon. | Navigate to settings icon which contains:   * “Manage profile” tag. * “Logout” tag. | | 3 | Member clicks “Manage profile” tag. | Navigate to “Manage profile” page which contains:   * “Username”: label. * Username: textbox, min length: 5, max length: 100, required. * “Password”:label. * Password: textbox, min length: 5, max length: 100, required. * “Email”:label. * Email:regular expression: /^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@@[a-z0-9-]+(\.[a-z0-9-]+)\*(\.[a-z]{2,4})$/ required. * “Edit”: button. * “Clear”: button. | | 4 | Member fills data to the form.  Member clicks “Edit” button.  [Alternative 1] | Update profile to the database.  [Exception 1, 2, 3,4,5] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Member 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 is exist!” and “Username” textbox border color is red. | | 5 | Invalid email format. | “Email” textbox border color is red. |   **Relationships:** N/A  **Business Rules:**   * Member’s profile is updated. | | | |

Table1: <Member> Edit profile

**2.3.1.2 <Member>** **Change password Use Case Diagram**



Figure 37: <Authorized user> Change Password

Use Case Specification

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| **USE CASE – LRS002** | | | |
| **Use Case No.** | LRS002 | **Use Case Version** | 1.0 |
| **Use Case Name** | Change password | | |
| **Author** | HonNV | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Member.   **Summary:**   * This use case allows Member to change password.   **Goal:**   * Member changes password successfully.   **Triggers:**   * Member logins to website. * Member clicks “Change password” link.   **Preconditions:** Member has register into the system.  **Post Conditions:**   * **Success:** New password has been updated into database. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Member clicks “Change password” link. | Show “Change password ” page with includes:   * Old passwrod: textbox, password box, min length: 6, max length: 20, required. * New password: textbox, password box, min length: 6, max length: 20, required. * Confirm new password: textbox, password box, min length: 6, max length: 20, required. * Change password: button. * Clear: button. | |  | Member clicks “Change password” button [Alternative 1] | Show successful message and return to home page. [Exception 1,2, 3,4,5,6] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Member clicks “Clear” button. | Clear all input fields. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Length of password is not in range. | Show error message: “Password length must be between 6-20 characters!” | | 2 | “Old password” is wrong. | Show error message:” Wrong password.” | | 3 | “Old password” is a blank. | Show error message:” Please enter a password” | | 4 | “New password” is a blank. | Show error message:” Please enter your new password” | | 5 | “Confirm new password” is a blank. | Show error message:” Please enter your confirm new password” | | 6 | “New password” and “Confirm new password” is not similar. | Show error message: “New password and Confirm new password do not match”. |   **Relationships:** Manage profile.  **Business Rules:**   * Member click “Change password” button. * New password has been updated into database. | | | |

Table2: <Member> Change Password

**2.3.1.3 <Member>** **Retrieve password Use Case Diagram**



Figure 4: **<Member> Retrieve password Use case Specification**

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| **USE CASE – LRS003** | | | |
| **Use Case No.** | LRS003 | **Use Case Version** | 1.0 |
| **Use Case Name** | Retrieve password | | |
| **Author** | HonNV | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Member   **Summary:**   * This use case allows member to retrieve password in the system.   **Goal:**   * password will be retrieve.   **Triggers:**   * Members wants to retrieve password. * Member clicks “Forgot password” link.   **Preconditions:**   * N/A   **Post Conditions:**   * **Success:** Password will be retrieved to member. * **Fail:** Show error message on the current page.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Forgot password” link. | Navigate to “Forgot password” page which contains:   * Email:regular expression: /^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@@[a-z0-9-]+(\.[a-z0-9-]+)\*(\.[a-z]{2,4})$/ required. * “Sent”: button. | | 2 | Member fills data to the email.  Member clicks “Sent” button. | Password is sent to email.  [Exception 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | ctor Action | System Response | |  | N/A | N/A |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Invalid email format. | “Email” textbox border color is red. |   **Relationships:** N/A  **Business Rules:**   * Retrieve password when member forgot password. | | | |
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Table 3: < Member > Retrieve password

**2.3.1.4 <Member>** **Logout Use Case Diagram**



Figure 36: < Member > Log out

Use Case Specification

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| **USE CASE – LRS004** | | | |
| **Use Case No.** | LRS004 | **Use Case Version** | 1.0 |
| **Use Case Name** | Logout | | |
| **Author** | HonNV | | |
| **Date** | 17/05/2015 | **Priority** | Normal |
| **Actor:**   * Member.   **Summary:**   * This use case allows Member to log out of the system.   **Goal:**   * Member logs out of the system. Member’s current session is destroyed.   **Triggers:**   * Member wants to log out. * Member clicks “Logout” link.   **Preconditions:**   * Member has logged in to the system.   **Post Conditions:**   * **Success**: Member’s current session is destroyed. Redirect to homepage. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Member clicks “Logout” link. | Show message “Do you really want to exit?”   * Ok: button * Cancel: button | | 2 | Member clicks “Ok” button. [Alternative 1] | Destroy Member’s session. Redirect to homepage. [Exception 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Member clicks “Cancel” button. | Do nothing. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Fail to destroy Member’s session | Redirect to error page. |   **Relationships:** N/A  **Business Rules:**   * Member clicks “Logout” link, * Member’s role will be changed to guest. | | | |

Table4: < Member > Log out

##### <System> Auto Parse Data

Use Case Diagram



Figure 9: <System> Auto Parse Data

Use Case Specification

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| **USE CASE – LRS006** | | | |
| **Use Case No.** | LRS006 | **Use Case Version** | 1.0 |
| **Use Case Name** | Auto Parse Data | | |
| **Author** | HonNV | | |
| **Date** | 17/05/2015 | **Priority** | High |
| **Actor:**   * System.   **Summary:**   * System can parse data automatically from many websites at specified time.   **Goal:**   * Get data from many websites.   **Triggers:**   * The time hits configured time.   **Preconditions:**   * Parse time has been configured.   **Post Conditions:**   * **Success:** New data is inserted to database. Log file is generated. * **Fail:** Nothing is changed in the database. Log file is generated.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Server checks the current time. If it hits configured time, parse process starts. | * Send request to the parsed link. * Fetch data from the response based on the inputted XPaths. * Validate data [Exception 1]. * If data is valid, insert to database [Alternative 1]. * Generate log file. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Server checks the current time. If it hits configured time, parse process starts. | * If fetched product is already in the database, update its information. * Generate log file. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Data is invalid. | * Don’t insert to database. * Generate log file. |   **Relationships:** N/A  **Business Rules:**   * If product’s name is empty, consider it invalid. * Log file structure:   LRS LOG FILE  Create date: {Created date}, {Created time}   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | STT | Link | Time parse | Type Data | Quantity product | Insert success | Insert failed | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |   Total time parse type {Data type}: {Elapsed time}  Total time parse: {Total elapsed time}  Total parsed product: {Total parsed product} | | | |

Table 5: <System> Auto Parse Data