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| --- | --- |
| **Use Case ID** | UC 14 |
| **Use Case Name** | Change User Info (e-mail address change) |
| **Author Name** | Hyungtaek Kim |
| **Primary Actor** | Existing User |
| **Actor’s Goal** | Actors may change any of user information as they want |
| **Business Value** | Important |

## Description

When user trying to make any change on user account (change e-mail address), system asks user password to access “Account management” page.

## Main Success Scenario <Mandatory>

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| --- | --- | --- |
| **Step** | **Actor Action** | **System Response** |
| **1** | User clicks “Account management” | System asks user to enter password |
| **2** | User enters PW | System let user access account management page |
| **3** | User clicks change e-mail tab | System asks user to input new e-mail address. |
| **4** | User enters new e-mail address | System sends verification code to the address |
| **5** | User enters verification code | System confirms the change and updates. |

## Alternative [Success] Scenario 1: User doesn’t get confirmation e-mail on new e-mail

**Trigger Condition**: User provide new e-mail address and system sends confirmation e-mail.

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| --- | --- | --- |
| **Step** | **Actor Action** | **System Response** |
| **1** | User doesn’t get confirmation e-mail |  |
| **2** | User click “I didn’t get the e-mail” | System asks to enter new e-mail address |
| **3** | User re-submit same e-mail address | System re-sends verification e-mail |
| **4** | User enters verification e-mail | System confirms the change and updates. |

## Alternative [Failure] Scenario 2: new e-mail address does not exist

**Trigger Condition**: What user typed for new e-mail address does not exist. (may because of typo, or invalid address)

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| --- | --- | --- |
| **Step** | **Actor Action** | **System Response** |
| **1** | User enters wrong e-mail address | System sends verification e-mail to the address. |
| **2** | User does not have verification code. | System cannot confirm e-mail change |

|  |  |
| --- | --- |
| **Secondary Actors** | External e-mail service providers (google, yahoo, etc.) |
| **Trigger Event** | User enters “Account management” page |
| **Precondition** | User verified its identity by providing current password |
| **Frequency of Execution** | Not very often. Less than 100 per day |
| **Success Criteria (optional)** | System updates new user information to server database. |
| **Development Cost** | Average |

## Non-Functional Requirements

The system should update any change of data to server database within 3 seconds. (NF 12)

## UML Activity Diagrams <Mandatory>

