**SPECIFICATION USE CASE FOR LOGIN FUNCTION**

|  |  |  |  |
| --- | --- | --- | --- |
| Use case code | UC001 | Use case name | Log in |
| Actor | User | | |
| Prerequisites | Users must have their own accounts | | |
| Success/Main flow of event | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | | 1 | User | Select log in functionality | | 2 | Software GUI | Prompt a log in screen | | 3 | User | Fill in email, password and hit Submit | | 4 | Software GUI | Check if email and password are provided | | 5 | System | Check if email and password are valid | | 6 | System | Login success, redirect to homepage | | 7 | Software GUI | Display success message and show the homepage | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | |  | Student | Can cancel logging in at any time | | 4a | System | Check failed, notify The email or password must not be blank and goes back to Step 2 | | 5a | System | Check failed, notify The email or password is invalid and goes back to Step 2 | | | |
| Post-conditon | Don’t have any | | |

\* Input data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Data field** | **Description** | **Mandatory** | **Condition** | **Example** |
|  | Email | Unique email of borrower | Yes | Unique | trangntt-student@gmail.com |
|  | Password | Password for the email of the borrower | Yes | Must contain upper case letters and numbers, more than 5 letters | softwaredevelopment |

\*\* Data output:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Data field** | **Description** | **Format** | **Example** |
|  | Message | Status message of login | A string of ASCII character | Log in successfully  The email or password must not be blank |

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