**Appendix A: Test cases design**

**Scenarios testing cases:**

**Basic action of a user:**

SEVER

database

user

register

login

Offer a help to someone

Ask for help

Give help

success

**Scenarios design:**

|  |  |
| --- | --- |
| Scenario one | register successfully |
| Scenario two | a user who want to register is not a student |
| Scenario three | login successfully |
| Scenario four | password mistake,still have chance |
| Scenario five | password mistake, do not have chance |
| Scenario six | give help successfully |
| Scenario seven | when providing help, give a wrong description |
| Scenario eight | when ask for help, give a wrong description |
| Scenario nine | Database is filled, but there are new data need to be stored |

**Scenario test cases design:**

(statement: √ : the input satify the requirement ; --- : no matter what data; × : input wrong ; n/a : don’t need such input)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test cases | username | password | Email address | Real name | Expected result |
| Scenario one | √ | √ | √ | √ | Register successfully，store the user’s information in database |
| Scenario  two | --- | ----- | × | -------- | Hint: email address is not reight. Request denied. |
| Scenario  three | √ | √ | n/a | n/a | A registerd user login successfully |
| Scenario  four | √ | × | n/a | n/a | Warning message. Go bak to login step to input the passwore again. |
| Scenario  five | √ | × | n/a | n/a | Send Warning message and hints to user’s email address. |

(statement:in the ‘give help section’ and ‘ask for help section’, user should provide titile, keywords, description. If the information provided is wrong, then the system won’t process it)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test cases | Title | Keywords | description | Expected result |
| Scenario six | √ | √ | √ | This information will stored in the database. And someone who need help will see this information |
| Scenario seven | √ | √ | × | Waring. Ask user to try again. |
| Scenario eight | √ | √ | × | Warning. Ask user to try again. |

|  |  |  |
| --- | --- | --- |
| Test cases | design | Expected result |
| Scenario nine | Fill out the database.  use Scenario one to test | Warning the user,  do not store the data.  Send message to administrator. |