**Testing plan**

**UC1: Registration:**

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| **Reference use case identifier** | UC1 |
| **Test case identifier** | TC1 |
| **Inputs** | The user access to /registration page and inserts:  Username-Email-Age-Password |
| **Hypothesis on the internal state** | * The inserted username is already existing in DBMS. * The inserted Email is already existing in DBMS. * User forgot to fill one or more required information. * User does not forget to fill the required filed, the inserted information is not existing in DBMS. |
| **Expected results** | * The system informs the user that the username is already used. Try another one please. * The system informs the user that the Email is already used. Try another one please. * The system informs the user that to fill out the form. * The system redirects the user to /login page. |

**UC2: Login:**

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| **Reference use case identifier** | UC2 |
| **Test case identifier** | TC2 |
| **Inputs** | The user access to /login page or redirected by  /Registration page. And inserts:  Username - Password |
| **Hypothesis on the internal state** | * User forgot to fill one or more required information. * The inserted username and password are already existing in DBMS. * The inserted username is not existing in DBMS. * The inserted password is not existing in DBMS. |
| **Expected results** | * The system informs the user that to fill out the form. * The system brings the user to /main page. * The system informs the user that the username is incorrect. * The system informs the user that the password is incorrect. |

**UC2: passive user:**

**UC3: Active user: (custom visualisation)**

**UC4: Commenting:**

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| **Reference use case identifier** | UC4 |
| **Test case identifier** | TC3 |
| **Inputs** | The user access to /Add comment page and insert comment. |
| **Hypothesis on the internal state** | * User is already logged in. * User is not already logged in. * The user leaves the comment box empty and press on the comment button. * User filled the comment box and press on comment button. |
| **Expected results** | * Can access to /Add comment page. * The system redirect user to /login page. * The system informs the user that to fill out the form. * The system redirects user to /comment\_order page. |

**UC5: Edit comment:**

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| **Reference use case identifier** | UC5 |
| **Test case identifier** | TC4 |
| **Inputs** | The user access to /comment\_order page and press on “Edit” hyperlink then will be directed to update page. And insert comment |
| **Hypothesis on the internal state** | * User is already logged in. * User is not already logged in. * The user erases the comment and press on the comment button. * User modified the comment or leave the comment as it was on the comment box and press on comment button. * The comment is not belonging to the user itself. * The comment is belonging to the user itself. * The user press on delete button. |
| **Expected results** | * Can access to /update page. * The system redirect user to /login page. * The system informs the user that to fill out the form. * The system redirects user to /comment\_order page. * The system will not provide the edit hyperlink. * The system will provide the edit hyperlink on user’s comment. * The system deletes the comment. And redirects user to /comment\_order page. |