**uTopic - TEST CASES**

**Test Case 1: Register to System**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1.User enters website. | Homepage is displayed. |  |
| 2.User clicks "Sign Up". | System should provide a registration form to the user. |  |
| 3.User enters his/her first and last name. | Form displays first and last name. |  |
| 4. User enters e-mail address. | Form displays e-mail. |  |
| 5. User enters password and confirms it. | Form displays passwords. |  |
| 6. User selects account type and gender. | Form displays the choices. |  |
| 7. User clicks submit. | User is directed to index page. |  |

**Test Case 2: Log-in to System**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1.User enters website. | Homepage is displayed. |  |
| 2. User clicks log-in. | System provides a log-in form. |  |
| 3. User enters username and password | Form displays username and password. |  |
| 7. User clicks log-in. | User is directed to homepage if successful log-in, to index page otherwise. |  |

**Test Case 3: Log-out from System**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1.User clicks "Log-out". | User is logged-out and directed to index page. |  |

**Test Case 4: Create a New Topic as a Creator**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. Creator clicks "Create Topic". | Create topic form displayed. |  |
| 2. Creator writes title, topic pack and description. | Related information is displayed on form. If pre-existing packs are available, they are shown and user can select one. |  |
| 3. Creator adds tags and fills out materials. | Materials are shown in form and tags are displayed. |  |
| 4. Creator writes question and answers. | Related information is shown on form. |  |
| 5. Creator selects true answer. | Related information is shown on form. |  |
| 6. Creator clicks submit. | User is directed to topic page after successful creation. |  |

**Test Case 5: Add a Comment to an Existing Topic**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic page and clicks discussion tab. | Discussion tab of current topic is displayed. |  |
| 2. User writes comment to input bar. | Comment is displayed in input bar. |  |
| 3. User clicks send button. | Comment is posted on discussion tab. |  |

**Test Case 6: Rate a Topic**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic page. | Topic page is displayed. |  |
| 2. User rates topic via rating input. | Rating of topic is updated. |  |

**Test Case 7: Rate a Comment**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic’s discussion tab. | Discussion tab of current topic is displayed. |  |
| 2. User up or downvotes comment of choice. | Rating of comment is updated. |  |

**Test Case 8: Solve a Quiz**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic page and clicks quiz tab. | Quiz of the topic is displayed. |  |
| 2. User selects answers. | Selected answers are displayed on page on questions. |  |
| 3. User clicks submit. | Correct answers are shown with a green tick while wrong answers are indicated with red color. Also, progress is summarized at bottom of page. |  |

**Test Case 9: Follow a Topic**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic page of interest. | Topic page is displayed. |  |
| 2. User clicks follow button on page. | Follow button is changed to unfollow and username is added to following user list. |  |
| 3. User navigates to homepage. | User sees the recently followed topic at the top of homepage. |  |

**Test Case 10: Unfollow a Topic**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1. User navigates to a topic page of interest. | Topic page is displayed. |  |
| 2. User clicks unfollow button on page. | Unfollow button is changed to follow and username is removed from following user list. |  |
| 3. User navigates to homepage. | User sees the recently unfollowed topic removed from homepage. |  |

**Test Case 11: Semantically Search the System**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1.User enters website. | Homepage is displayed. |  |
| 2. User inputs search term into search bar. | Search terms are displayed in search bar. |  |
| 3. User clicks search button. | Semantically found search results are displayed on the page. Description, rate, comment and picture of topic are present. |  |

**Test Case 12: Update Profile Page**

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| **Test Steps** | **Expected Results** | **Is Actual Result the same?** |
| 1.User clicks profile button. | Profile page is displayed. |  |
| 2. User clicks edit button of association. | Editing form for association is displayed. |  |
| 3. User clicks save button. | New association is displayed on page. |  |
| 4. User clicks edit button of bio. | Editing form for bio is displayed. |  |
| 5. User clicks save button. | New bio is displayed on page. |  |
| 6. User hovers above profile picture. | Change picture prompt is displayed on profile picture. |  |
| 7. User clicks on change picture prompt. | File upload window pops up. |  |
| 8. User selects a .jpg file and clicks open on upload window. | New profile picture is displayed on page. |  |