**Test Cases**

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| **1: Load application in browser** | | | | |
| **Pre-conditions**   * The user has imported the project into IntelliJ IDEA as a Maven project * The user has internet access, and a browser installed | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Evidence** |
| 1 | Run project from IntelliJ IDEA | Console shows log, application runs on port 8000 | **P** | https://i.gyazo.com/e7b8e22997e8bd3f919d9ec6afbba01f.png |
| 2 | Open browser, and navigate to localhost:8000 | Browser presents application homepage | **P** | https://i.gyazo.com/7c77bd93845ebeee869eec4dc39137a1.png |
| 3 | Open browser, and navigate to 127.0.0.1:8000 | Browser presents application homepage | **P** | https://i.gyazo.com/8165cdd694d864ee91136cf1557978a1.png |
| 4 | **Check post-condition 1** |  | **P** |  |
| 5 | **Check post-condition 2** |  | **P** |  |
| **Post-conditions**   1. User has application homepage loaded in browser 2. User is not logged in | | | | |

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| **2: Register an account** | | | | |
| **Pre-conditions**   * The user is on the application homepage | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Evidence** |
| 1 | Click “Register” on homepage, or from menu | System displays registration form | **P** | https://i.gyazo.com/9a629e46eaaa47c4793ed32ccb31b9af.png |
| 2 | Complete form | Application checks entered data passes field validation, and username is available | **P** | https://i.gyazo.com/3b41b4f5f0e63798bb43d8885018a59e.png |
| 3 | Submit form | Application stores new user details, and displays homepage, ready to login | **P** | https://i.gyazo.com/7c77bd93845ebeee869eec4dc39137a1.png |
| 5 | **Check post-condition 1** |  | **P** |  |
| **Post-conditions**   1. New user details are saved in the database | | | | |

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| **3: Login to existing account** | | | | |
| **Pre-conditions**   * The user is on the application homepage * The user has an already existing account | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Evidence** |
| 1 | Enter login details | Application displays username and hides password | **P** | https://i.gyazo.com/c59545c4e4f987722d315c884e55eee4.png |
| 2 | Click “Login” | Application checks user exists, welcomes user, removes login/register options, adds logout option, adds admin page link if admin | **P** |  |
| 3 | **Check post-condition 1** |  | **P** |  |
| **Post-conditions**   1. The user is logged in | | | | |

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| **4: Add Milestone** | | | | |
| **Pre-conditions**   * The user is logged in | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Evidence** |
| 1 | Click “Create Milestone” on homepage, or from menu | Application displays create milestone form | **P** | https://i.gyazo.com/c0f1f4be1c4259bd4c5c3b198b29bb2e.png |
| 2 | Complete form | Application checks field validations | **P** |  |
| 3 | Submit form | Application stores new milestone details, and displays milestone list | **P** | https://i.gyazo.com/77ebe6e4bdce4c6c2bf80001f5b96231.png |
| 4 | **Check post-condition 1** |  | **P** |  |
| **Post-conditions**   1. New Milestone is created | | | | |

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| **5: Remove Milestone from Project** | | | | |
| **Pre-conditions**   * The user is logged in * The user has already created milestone(s) | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Evidence** |
| 1 | Select milestone to be removed | Application displays milestone details | **P** | https://i.gyazo.com/d433d23206ac747801aefc3c2e39d64d.png |
| 2 | Click “Delete milestone” | Application asks user to confirm deletion | **P** | https://i.gyazo.com/48b45854630a11ee0de7ec834072f11f.png |
| 3 | Confirm deletion | Application removes milestone from current project | **P** | https://i.gyazo.com/416eaa59810cd5ad77eec00541bf31a3.png |
| 4 | **Check post-condition 1** |  | **P** |  |
| **Post-conditions**   1. Selected milestone is removed | | | | |

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| **6: Edit Milestone of Project** | | | | |
| **Pre-conditions**   * The user is logged in * The user has already created milestone(s) | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Comment** |
| 1 | Select milestone to be edited | Application displays milestone details | **P** | https://i.gyazo.com/53718d87855fa8ad19c9dc6d40d734ab.png |
| 2 | Click “Edit milestone” | Application displays edit milestone form | **P** | https://i.gyazo.com/907614021df74b33cce90c54390667bd.png |
| 3 | Edit form | Application checks field validations | **F** |  |
| 4 | Submit form | System updates milestone details | **P** |  |
| 5 | **Check post-condition 1** |  | **P** |  |
| **Post-conditions**   1. Selected milestone is updated | | | | |

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| **8: Share Project link** | | | | |
| **Pre-conditions**   * The user is logged in * The user has already created milestone(s) | | | | |
| **Step** | **Action** | **Expected Response** | **Pass/Fail** | **Comment** |
| 1 | Click “Share Project” | System generates sharing link | **F** |  |
| 2 | Copy sharing link | System adds link to clipboard | **F** |  |
| 3 | **Check post-condition 1** |  | **F** |  |
| **Post-conditions**   * Sharing link stored to clipboard | | | | |