## CS163 Test Plan

Prathyoosha Chaya

**Test Plan # 3:**

|  |  |  |
| --- | --- | --- |
| **Test Cases for Add info** | **Expected Result** | **Verified?**  **(yes/no)** |
| No entries (empty table) | Should not match to any existing entries. |  |
| Matched to an entry | Should correctly update that entry’s info. |  |
| Did not match to an entry’s keyword | Existing entries should not be changed. |  |
| Check return value | Should report correct number (0 or 1) based on situation. |  |
| Add info for an existing entry with all caps/different from how it is stored into the table | Should find the index of the |  |

|  |  |  |
| --- | --- | --- |
| **Test Cases for Display all function** | **Expected Result** | **Verified?**  **(yes/no)** |
| Empty table | Display nothing |  |
| 1 entry in a table’s list chain | Display 1 entry |  |
| Multiple entries in table’s list chain | Display all entries in chain |  |
| Display after removing an entry | Should update without removed entry |  |

|  |  |  |
| --- | --- | --- |
| **Test Cases for Remove card** | **Expected Result** | **Verified?**  **(yes/no)** |
| Empty list | Remove nothing. |  |
| 1 card in list | Remove card if match, set to empty list |  |
| Match in list not found | Delete nothing |  |
| Match in list found | Delete match, rest of list should remain intact. |  |

|  |  |  |
| --- | --- | --- |
| **Test Cases for write/load functions** | **Expected Result** | **Verified?**  **(yes/no)** |
| Write with empty table | Should empty out the text file. When loaded, it should not register any entries. |  |
| Write in entries | Should output properly to file with correct delimiters, and when loaded it should assign to each entry data member correctly. |  |
| Write after “Quit without saving” in menu function | Should not change the file contents even if entries were added/removed during runtime. |  |
| Write after “Save and quit” in menu function | Should write over the contents of the file with the new entries and information. |  |