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**“SAMPLE” TEST CASE**

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| Test Case | Test Steps | Expected Result |
| Successfully cluster the list by age and by university | 1. Go through the list page and look for the “group by” option 2. Tick the box corresponding to age and university 3. Click apply button | The data shown in the list will be arranged according to their age and university. |
| Successfully sort the list by last name in ascending order | 1. Go through the list page 2. Click the last name column header 3. See to it that the arrow beside it is pointing up | The data shown in the list will be sorted by their last name in ascending order. |
| Successfully sort the list by last name in descending order | 1. Go through the list page 2. Click the last name column header 3. See to it that the arrow beside it is pointing down | The data shown in the list will be sorted by their last name in descending order. |
| Should be able to view the total number of students in each university | 1. Go through the list page and look for the “group by” option 2. Tick the box corresponding to university only 3. Find the “count” option and tick university 4. Click apply | It will display the total number of students per university. |
| Tick more than one box in the group by option | 1. Go through the list page and look for the “group by” option 2. Tick more than one box | User should be able to select more than one option in group by. |
| Tick more than one box in the count option | 1. Go through the list page and look for the “count” option 2. Tick more than one box | User should be able to select more than one option in count. |
| Clickable column headers | 1. Go through the list page 2. Click any column header | Column headers must be clickable and will sort the list accordingly. |
| Succesful Login | 1. In the login page, enter the username 2. Enter the password 3. Click login button | User will be logged in successfully and will be taken to the main page |

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| Error message on logging in without input on credentials | 1. Click login button | An error message will be displayed stating that no username/password was entered. |
| Error message on wrong username/password | 1. Enter correct/wrong username 2. Enter correct/wrong password 3. Click login | An error message will be displayed stating that an invalid username/password was entered. |
| Encrypted password | 1. Type any key in the password text field | Any entered key shown in the password should be visible in dots. |