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TC1: **Login Functionality Positive**

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| **Test Case Summary** | To test if the application’s login authorization with correct credentials will work. |
| **Prerequisites** | n/a |
| **Test Steps** | **Expected Results** |
| 1. Open the browser and access the applications URL. | Application is running without any error |
| 2. Login in the application with username and password that is legitimate account. | Login will be successful, and the main page which shows the list of all the students will be displayed. |

TC2: **Login Functionality Negative**

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| **Test Case Summary** | To test if the application’s login authorization with wrong credentials will not work. |
| **Prerequisites** | n/a |
| **Test Steps** | **Expected Results** |
| 1. Open the browser and access the applications URL. | Application is running without any error |
| 2. Login in the application with username and password that is not registered in the system. | Login will fail, and the user will be prompted that wrong credentials are entered. |

TC3: **Display Complete List of Students**

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| **Test Case Summary** | To test if the application will display the list of students from the database |
| **Prerequisites** | * Login is successful |
| **Test Steps** | **Expected Results** |
| 1. Login using correct credentials | The screen or page displays the table containing the list of all students. The table contains the columns: name, surname, birthday, and university. |

TC4: **Group list by age and university**

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| **Test Case Summary** | To test if the application will display the group of students with the specified age or age range and university. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. Input in the text field the age or age range. 2. Select from the dropdown the university 3. Press the button “enter”. | 1. Text field must display the inputted text 2. The selected university must be displayed in the dropdown 3. Table should change from the list of all student to the list of students with the specified age or age range and university. |

TC5: **Group list by age or age range**

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| **Test Case Summary** | To test if the application will display the group of students with the specified age or age range. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. Input in the text field the age or age range. 2. Press the button “enter”. | 1. Text field must display the inputted text 2. Table should change from the list of all student to the list of students with the specified age or age range. |

TC6: Group list by university

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| **Test Case Summary** | To test if the application will display the group of students with the specified university. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. Select from the dropdown the university 2. Press the button “enter”. | 1. The selected university must be displayed in the dropdown 2. Table should change from the list of all student to the list of students with the specified university. |

TC7: **Sort name of user ascending by last name**

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| **Test Case Summary** | To test if the application will display the list of students sorted surnames in ascending order ot from a-z. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. 1Click the column header for surname or last name 2. Click until an icon with arrow pointing upwards appears | 1. The table should display the list of students with their surnames sorted from a-z. |

TC8: **Sort name of user descending by last name**

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| **Test Case Summary** | To test if the application will display the list of students sorted surnames in descending order ot from z-a. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. Click the column header for surname or last name 2. Click until an icon with arrow pointing downwards appears | 1. The table should display the list of students with their surnames sorted from z-a. |

TC9: **View total number of students per university**

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| **Test Case Summary** | To test if the application will display the total number of students in each university. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. Press the button “Total” | 1. The table should change from the list of students to the list of universities with total number of students. |

TC10: **Keyword search function of datatables**

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| **Test Case Summary** | To test if the application will display all the students which contains the keyword entered. |
| **Prerequisites** | * Login is successful * Table containing all the students are displayed |
| **Test Steps** | **Expected Results** |
| 1. In the search field enter the keyword | 1. The table should change from the list of all students to the list of students which contains in their information the keyword searched or nothing if there is no match. |