

## TEST CASES SAMPLE

### **Requirements**

- **Student Name**
- **Student Surname**
- **Student ID (must be unique)**

### **Methods**

- **Add**
- **Update**
- **Delete**
- **List**

Title	ADD-EMPTY-01
Description	All fields are left blank.
Test Steps	1)Enter "Add Student" field 2)Enter "" in the Name Field 3)Enter "" in the Surname Field 4)Enter "" in the ID Field 5)Click Save Button
Expected Result	Fields cannot be empty error!

Title	ADD-EMPTY-02
Description	Name fields are left blank.
Test Steps	1)Enter "Add Student" field 2)Enter "" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be empty error!

Title	ADD-EMPTY-03
Descripton	Surname fields are left blank.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be empty error!

Title	ADD-EMPTY-04
Descripton	ID fields are left blank.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "" in the ID Field 5)Click Save Button
Expected Result	ID field cannot be empty error!

Title	ADD-NUM-01
Descripton	Enter a numerical value in the name field.
Test Steps	1)Enter "Add Student" field 2)Enter "13" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be numerical value error!

Title	ADD-NUM-02
Descripton	Enter a numerical value in the surname field.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "13" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be numerical value error!

Title	ADD-ALPHA-01
Descripton	Enter a alphabetical value in the ID field.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "Musa" in the ID Field 5)Click Save Button
Expected Result	ID field cannot be alphabetical value error!

Title	ADD-SPACE-01
Descripton	Starting name field with spaces.
Test Steps	1)Enter "Add Student" field 2)Enter " Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be starting with a space error!

Title	ADD-SPACE-02
Descripton	Starting surname field with spaces.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter " Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be starting with a space error!

Title	ADD-SPACE-03
Descripton	Starting ID field with spaces.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter " 13" in the ID Field 5)Click Save Button
Expected Result	ID field cannot be starting with a space error!

Title	ADD-SPACE-04
Descripton	Separating the ID field with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13 13" in the ID Field 5)Click Save Button
Expected Result	ID field cannot be separating with a space error!

Title	ADD-SPACE-05
Descripton	Separating the Name field with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur Berk" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Successfully added!

Title	ADD-SPACE-06
Descripton	Separating the Surname field with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz Akin" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Successfully added!

Title	ADD-SPACE-07
Descripton	Name field ending with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur " in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be ending with a space error!

Title	ADD-SPACE-08
Descripton	Surname field ending with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz " in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be ending with a space error!

Title	ADD-SPACE-09
Descripton	ID field ending with a space.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13 " in the ID Field 5)Click Save Button
Expected Result	ID field cannot be ending with a space error!

Title	ADD-SPACE-10
Descripton	Name field ending with a numerical value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur 13" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be numerical value!

Title	ADD-SPACE-11
Descripton	Surname field ending with a numerical value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz 13" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be numerical value!

Title	ADD-SPACE-12
Descripton	Surname field ending with a numerical value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz 13" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be numerical value!

Title	ADD-MAX-01
Descripton	Name field enter more than maximum value range.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur^30" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field exceeded the maximum value range error!

Title	ADD-MAX-02
Descripton	Surname field enter more than maximum value range.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz^30" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field exceeded the maximum value range error!

Title	ADD-MAX-03
Descripton	ID field enter more than maximum value range.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13^30" in the ID Field 5)Click Save Button
Expected Result	ID field exceeded the maximum value range error!

Title	ADD-MIN-01
Descripton	Name field enter minimum value range.
Test Steps	1)Enter "Add Student" field 2)Enter "T" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name field cannot one single value error!



Title	ADD-MIN-02
Descripton	Surname field enter minimum value range.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "A" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot one single value error!

Title	ADD-MIN-03
Descripton	ID field enter '0' value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "0" in the ID Field 5)Click Save Button
Expected Result	ID field cannot '0' value error!

Title	ADD-SQL-01
Descripton	Name field enter basic SQL Injection.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur'musa;" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "0" in the ID Field 5)Click Save Button
Expected Result	Name field cannot be SQL Injection error!

Title	ADD-SQL-02
Descripton	Surname field enter basic SQL Injection.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz'musa;" in the Surname Field 4)Enter "0" in the ID Field 5)Click Save Button
Expected Result	Surname field cannot be SQL Injection error!

Title	ADD-SQL-03
Descripton	ID field enter basic SQL Injection.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13'13;" in the ID Field 5)Click Save Button
Expected Result	ID field cannot be SQL Injection error!

Title	ADD-ID-01
Descripton	ID field enter exist ID value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	This ID value already taken error!

Title	ADD-SUC-01
Descripton	Whole fields are entered completely and correctly.
Test Steps	1)Enter "Add Student" field 1)Enter "Timur" in the Name Field 2)Enter "Ayaz" in the Surname Field 3)Enter "13" in the ID Field 4)Click Save Button
Expected Result	Successfully added!

Title	ADD-CHAR-01
Descripton	Name field enter other chars than alphabetical value.
Test Steps	1)Enter "Add Student" field 2)Enter "*-?" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name value must be alphabetical error!

Title	ADD-CHAR-02
Descripton	Surname field enter other chars than alphabetical value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "*-?" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname value must be alphabetical error!

Title	ADD-CHAR-03
Description	ID field enter other chars than alphabetical value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "*-?" in the ID Field 5)Click Save Button
Expected Result	ID value must be numerical error!

Title	ADD-XSS-01
Description	Name field enter cross site scripting value.
Test Steps	1)Enter "Add Student" field 2)Enter "<script></script>" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name value cannot be use basic XSS error!

Title	ADD-XSS-02
Description	Surname field enter cross site scripting value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "<script></script>" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname value cannot be use basic XSS error!

Title	ADD-XSS-03
Descripton	ID field enter cross site scripting value.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "<script></script>" in the ID Field 5)Click Save Button
Expected Result	ID value cannot be use basic XSS error!

Title	ADD-HTML-01
Descripton	Name field enter HTML tags.
Test Steps	1)Enter "Add Student" field 2)Enter "<h1>test</h1>" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Name value cannot be use HTML tags error!

Title	ADD-HTML-02
Descripton	Surname field enter HTML tags.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "<h1>test</h1>" in the Surname Field 4)Enter "13" in the ID Field 5)Click Save Button
Expected Result	Surname value cannot be use HTML tags error!

Title	ADD-HTML-03
Description	ID field enter HTML tags.
Test Steps	1)Enter "Add Student" field 2)Enter "Timur" in the Name Field 3)Enter "Ayaz" in the Surname Field 4)Enter "<h1>test</h1>" in the ID Field 5)Click Save Button
Expected Result	ID value cannot be use HTML tags error!

Title	DEL-SUC-01
Description	Enter the id of the student you want to delete.
Test Steps	1)Enter "Delete Student" field 2)Enter "13" in the ID Field 3)Click Delete Button
Expected Result	Successfully deleted!

Title	DEL-ID-01
Description	Enter a deletion with a deleted id.
Test Steps	1)Enter "Delete Student" field 2)Enter "13" in the ID Field 3)Click Delete Button
Expected Result	This student already deleted error!

Title	DEL-ID-02
Description	Enter alphabetical value for id field.
Test Steps	1)Enter "Delete Student" field 2)Enter "musa" in the ID Field 3)Click Delete Button
Expected Result	ID value must be numerical error!

Title	DEL-ID-03
Descripton	Enter null value for id field.
Test Steps	1)Enter "Delete Student" field 2)Enter "" in the ID Field 3)Click Delete Button
Expected Result	ID value cannot be null error!

Title	LIST-SUC-01
Descripton	Enter the id of the student you want to list.
Test Steps	1)Enter "List Student" field 2)Enter "13" in the ID Field 3)Click Bring Button
Expected Result	Successfully listed!

Title	LIST-ID-01
Descripton	Enter a get try list with not exist id.
Test Steps	1)Enter "List Student" field 2)Enter "13" in the ID Field 3)Click Bring Button
Expected Result	This id not exist error!

Title	LIST-ID-02
Descripton	Enter alphabetical value for id field.
Test Steps	1)Enter "List Student" field 2)Enter "musa" in the ID Field 3)Click Bring Button
Expected Result	ID value must be numerical error!

Title	LIST-ID-03
Descripton	Enter null value for id field.
Test Steps	1)Enter "List Student" field 2)Enter "" in the ID Field 3)Click Bring Button
Expected Result	ID value cannot be null error!

Title	UPD-SUC-01
Descripton	Enter update student info with correct id.
Test Steps	1)Enter "Update Student" field 2)Enter "13" in the ID Field 3)Click Bring Button 4)Enter "Çağrı" in the Name Field 5)Enter "Ayaz" in the Surname Field 6)Click Update Button
Expected Result	Successfully updated!

Title	UPD-ID-01
Descripton	Enter update student info with doesn't exist id.
Test Steps	1)Enter "Update Student" field 2)Enter "19" in the ID Field 3)Click Bring Button 4)Enter "Timur" in the Name Field 5)Enter "Ayaz" in the Surname Field 6)Click Update Button
Expected Result	ID doesn't exist error!



Title	UPD-ID-02
Descripton	Enter update student info with old values.
Test Steps	1)Enter "Update Student" field 2)Enter "13" in the ID Field 3)Click Bring Button 4)Enter "Timur" in the Name Field 5)Enter "Ayaz" in the Surname Field 6)Click Update Button
Expected Result	Student information is the same as before error!

Title	UPD-NAME-01
Descripton	Enter update student information change only name.
Test Steps	1)Enter "Update Student" field 2)Enter "13" in the ID Field 3)Click Bring Button 4)Enter "Çağatay" in the Name Field 5)Click Update Button
Expected Result	Successfully Updated!

Title	UPD-NAME-02
Descripton	Enter update student information change only surname.
Test Steps	1)Enter "Update Student" field 2)Enter "13" in the ID Field 3)Click Bring Button 4)Enter "Altay" in the Surname Field 5)Click Update Button
Expected Result	Successfully Updated!

## MAJOR BUG REPORT SAMPLE

We decide to try the integration test run so that we will be able to try all our methods on the same example.

To start with, we choose “Add Student” field and enter “Musa” into name field, enter “Alişar” into surname field, enter “13” into ID field, then click save button. We saw “Successfully Added!” message on console logs.

In addition, we choose “Update Student” field and enter “13” into ID field, click bring button and then enter “Çağatay” into name field, enter “Uraz” into surname field, then click update button. We saw “Successfully Updated!” message on console logs.

Furthermore, we choose “Delete Student” field and enter “13” into ID field, click delete button. We saw “Succesfully deleted” mesaage on console logs.

Finally, We choose “List Student” field and enter “13” into ID field, click bring button.

We expect that “The student with this ID is not exist.” message, however we saw

“Student Name: Çağatay, Student Surname: Uraz, Student ID: 13” message on console logs.

Thus, we have seen that the deletion process does not work.