### List of Test Scenarios

#### Admin Login

**Input:** Username

#### Valid:

* + - * {A, B, C, …}
      * {a, b, c, …}
      * {1, 2, 3, 4, …}
      * {!, @, #, $, %, …}

#### Invalid:

* + - * { }

**Input:** Password

#### Valid:

* + - * {A, B, C, …}
      * {a, b, c, …}
      * {1, 2, 3, 4, …}
      * {!, @, #, $, %, …}

#### Invalid:

* + - * { }

#### Test Case Design through Use Case

Table 6.2.1.1 | Admin Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario** | **ECP** | | **Expected Output** |
| **Username** | **Password** |  |
| 1 | Admin login successful | Sami19 | Sami@1919 | Admin logged in |
| 2 | Admin login successful | Sami@19 | Sami@1919 | Admin logged in |
| 3 | Unsuccessful Admin login |  | Sami@1919 | Please fill the admin name field |
| 4 | Unsuccessful Admin login | Sami@19 |  | Please fill the password field |

#### Add Teacher

**Input:** Full Name

#### Valid:

* + - * {A, B, C, …}
      * {a, b, c, …}
      * {!, @, #, $, %, …}
      * {1, 2, 3, 4, …}

#### Invalid:

* + - * + { }

**Input:** Experience

#### Valid:

* + - * {1, 2, 3, …}

#### Invalid:

* + - * {!, @, #, $, %, …}
      * {A, B, C, …}
      * {a, b, c, …}

**Input:** Email

#### Valid:

* + - * {A, B, C, ...}
      * {a, b, c, …}
      * {!, @, #, $, %, …}
      * {1, 2, 3, 4, …}

#### Invalid:

* + - * {!!, @@, ##, $$, %%, …}
      * { }

**Input:** Contact

#### Valid:

* + - * {1, 2, 3, 4, …}
      * {A, B, C, ...}
      * {a, b, c, …}
      * {!, @, #, $, %, …}

#### Invalid:

* + - * { }

#### Test Case Design through Use Case

Table 6.2.2.1 | Add Teacher

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario** | **ECP** | | | | **Expected Output** |
|  |  |  | | | |  |
| **Full Name** | **Email** | **Experience** | **Contact** |
|  |  |  |  |  |  |  |
| 1 | Teacher Added Successfully | Danish | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 03307985  412 | Teacher successfully Added |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Unsuccessful Add Teacher |  | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 0330\*798  541 | Invalid full Name entered. Please enter the field. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 3 | Unsuccessful Add Teacher | @Danish19 | 22628.riphah.edu.pk | 22628 | 0330\*798  541 | Invalid email entered. Please enter with a valid email |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 4 | Unsuccessful Add Teacher | Sami | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 03307985  412 | Email already exists. |

* + 1. **Add Student Input:** Full Name

#### Valid:

* + - * {A, B, C, …}
      * {a, b, c, …}
      * {!, @, #, $, %, …}
      * {1, 2, 3, 4, …}

#### Invalid:

* + - * **{ }**

**Input:** Registration No

#### Valid:

* + - * {1, 2, 3, …}
      * {!, @, #, $, %, …}
      * {A, B, C, …}
      * {a, b, c, …}

#### Invalid:

* + - * { }

**Input:** Email

#### Valid:

* + - * {A, B, C, ...}
      * {a, b, c, …}
      * {!, @, #, $, %, …}
      * {1, 2, 3, 4, …}

#### Invalid:

* + - * {!!, @@, ##, $$, %%, …}

**Input:** Contact

#### Valid:

* + - * {1, 2, 3, 4, …}
      * {A, B, C, ...}
      * {a, b, c, …}
      * {!, @, #, $, %, …}

#### Invalid:

* + - * **{ }**

#### Test Case Design through Use Case

Table 6.2.3.1 | Add Student

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** |  | **ECP** | | | |  |
|  | **Scenario** |  | | | | **Expected Output** |
| **Full Name** | **Email** | **Registration No** | **Contact** |
|  |  |  |  |  |  |  |
| 1 | Student  Added | Sami | 23799@student s.riphah.edu.pk | 23799 | 0332854  1255 | Student Added Successfully |
|  | Successfully |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Unsuccessful Add Student |  | 23799@student s.riphah.edu.pk | 23456 | 0332/854  125 | Invalid full name Please fill the field. |
|  |  |  |  |  |  |
| 3 | Unsuccessful Add Student | Sami | 23799@student s.riphah.edu.pk | 67890 | 0332/854  125 | Email already exists |
|  |  |  |  |  |  |  |
| 4 | Unsuccessful Add Student | Sami | 23769@student s.riphah.edu.pk | 23799 | 0332/854  125 | Registration No already  exists |
|  |  |  |  |  |  |  |

#### Post Query

**Input:** Category

#### Valid:

* + - * {Select from the given}

#### Invalid:

* + - * { }

**Input:** Coordinator

#### Valid:

* + - * {Select from the given}

#### Invalid:

* + - * { }

**Input:** Query

#### Valid:

* + - * {A, B, C, …}
      * {a, b, c, …}
      * {!, @, #, $, %, …}
      * {1, 2, 3, 4, …}

#### Invalid:

* + - * { }

#### Test Case Design through Use Case

Table 6.2.2.1 | Add Teacher

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario** | **ECP** | | | | **Expected Output** |
|  |  |  | | | |  |
| **Full Name** | **Email** | **Experience** | **Contact** |
|  |  |  |  |  |  |  |
| 1 | Teacher Added Successfully | Danish | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 03307985  412 | Teacher successfully Added |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Unsuccessful Add Teacher |  | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 0330\*798  541 | Invalid full Name entered. Please enter the field. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 3 | Unsuccessful Add Teacher | @Danish19 | 22628.riphah.edu.pk | 22628 | 0330\*798  541 | Invalid email entered. Please enter with a valid email |
| 4 | Unsuccessful Add Teacher | Sami | [22628@students.ripha](mailto:22628@students.ripha) h.edu.pk | 7 | 03307985  412 | Email already exists. |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |