**Register Window (has two text fields name, password)**

* **Unique name must be between 3 and 12 characters**
* **Password must be between 3 and 6 characters**

**Name Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **0 < name < 3** | **Invalid** |
| **EC3** | **3 <= name <= 12** | **Valid** |
| **EC4** | **Name > 12** | **Invalid** |
| **EC5** | **Name already exists** | **Invalid** |

**Boundary Values 0 (empty),13**

**Password Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **0 < password< 3** | **Invalid** |
| **EC3** | **3 <= password<= 6** | **Valid** |
| **EC4** | **Password > 6** | **Invalid** |

**Boundary Values 0 (empty),7**

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC#** | **Name** | **Password** | **Output** |
| **TC1** | **EC1** | **EC1** | **Error message: ‘Please fill both’ fields’** |
| **TC2** | **EC1** | **EC2** | **Error message: ‘Please fill both’ fields’** |
| **TC3** | **EC1** | **EC3** | **Error message: ‘Please fill both’ fields’** |
| **TC4** | **EC1** | **EC4** | **Error message: ‘Please fill both’ fields’** |
| **TC5** | **EC2** | **EC1** | **Error message: ‘Please fill both’ fields’** |
| **TC6** | **EC2** | **EC2** | **Error message: "Password must be between 3 and 6 characters"** |
| **TC7** | **EC2** | **EC3** | **Error message: "name must be between 3 and 12 characters"** |
| **TC8** | **EC2** | **EC4** | **Error message: "name must be between 3 and 12 characters"** |
| **TC9** | **EC3** | **EC1** | **Error message: Error message: ‘Please fill both’ fields’** |
| **TC10** | **EC3** | **EC2** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC11** | **EC3** | **EC3** | **Success message: "Successfully Registered!"** |
| **TC12** | **EC3** | **EC4** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC13** | **EC4** | **EC1** | **Error message: ‘Please fill both’ fields’** |
| **TC14** | **EC4** | **EC2** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC15** | **EC4** | **EC3** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC16** | **EC4** | **EC4** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC17** | **Name=13** | **EC1** | **Error message: Error message: ‘Please fill both’ fields’** |
| **TC18** | **Name=13** | **EC2,**  **EC3,EC4** | **Error message: "name must be between 3 and 12 characters"** |
| **TC19** | **EC1** | **Password=7** | **Error message: Error message: ‘Please fill both’ fields’** |
| **TC20** | **EC2**  **EC3,EC4** | **Password=7** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC21** | **EC5** | **EC1** | **Error message: Error message: ‘Please fill both’ fields’** |
| **TC22** | **EC5** | **EC2,EC4** | **Error message:"Password must be between 3 and 6 characters"** |
| **TC23** | **EC5** | **EC3** | **Error message:"User name is already taken."** |

**Login Window (has two text fields name, password)**

* **Name entered by user must be correct, for admins it must follow this format ‘admin\_ +correct admin name’**
* **Password must be correct**

**Name Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **Correct** | **Invalid** |
| **EC3** | **Incorrect** | **Valid** |
| **EC4** | **admin\_ + empty** | **Invalid** |
| **EC5** | **admin\_ + correct** | **Valid** |
| **EC6** | **admin\_ + incorrect** | **Invalid** |

**Password Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **Correct** | **Valid** |
| **EC3** | **Incorrect** | **Invalid** |

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC#** | **Name** | **Password** | **Output** |
| **TC1** | **EC1** | **EC1,**  **EC2,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |
| **TC2** | **EC2** | **EC1,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |
| **TC3** | **EC2** | **EC2** | **Logged in (transitions into user navigation window)** |
| **TC4** | **EC3** | **EC1,**  **EC2,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |
| **TC5** | **EC4** | **EC1,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |
| **TC6** | **EC5** | **EC1,**  **EC2,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |
| **TC7** | **EC5** | **EC1,**  **EC2,EC3** | **Logged in (transitions into admin navigation window)** |
| **TC8** | **EC6** | **EC1,**  **EC2,EC3** | **Error message: "Wrong Username/Password", "Invalid Info"** |

**Add Movie Window (has three text fields name, genre, rating)**

* **Name entered by admin in the range from 1:45 characters, if the name exists then update will take place in stead of insertion**
* **Genre entered by admin in the range from 1:45 characters**
* **Rating must be of numeric nature in range 0:10**

**Name Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **0 < name < = 45** | **Valid (insert)** |
| **EC3** | **Name > 45** | **Invalid** |
| **EC4** | **Name exists** | **Valid (update)** |

**Genre Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **0 < genre < = 45** | **Valid** |
| **EC3** | **Genre > 45** | **Invalid** |

**Rating Field Equivalence Partitioning:**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **Not Numeric** | **Invalid** |
| **EC3** | **Rating < 0 or rating > 10** | **Invalid** |
| **EC4** | **0 <= Rating <= 10** | **Valid** |

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TC#** | **Name** | **Genre** | **Rating** | **Output** |
| **TC1** | **EC1** | **EC1,**  **EC2,EC3** | **EC1,EC2,**  **EC3,EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC2** | **EC2** | **EC1** | **EC1,EC2,**  **EC3,EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC3** | **EC2** | **EC2** | **EC1** | **Error message: "Values can't be set to empty or null!"** |
| **TC4** | **EC2** | **EC2** | **EC2** | **Error message: "Enter a numeric rating”** |
| **TC5** | **EC2** | **EC2** | **EC3** | **Error message: "Enter a rating from 0 to 10"** |
| **TC6** | **EC2** | **EC2** | **EC4** | **Information message:"Success"** |
| **TC7** | **EC2** | **EC3** | **EC1** | **Error message: "Values can't be set to empty or null!"** |
| **TC8** | **EC2** | **EC3** | **EC2,EC3,**  **EC4** | **Error message: "Unable to submit"** |
| **TC9** | **EC3** | **EC1** | **EC1,EC2,**  **EC3,EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC10** | **EC3** | **EC2,EC3** | **EC1** | **Error message: "Values can't be set to empty or null!"** |
| **TC11** | **EC3** | **EC2,EC3** | **EC2,**  **EC3,EC4** | **Error message: "Unable to submit"** |
| **TC12** | **EC4** | **EC1** | **EC1,EC2,**  **EC3,EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC13** | **EC4** | **EC2,EC3** | **EC1** | **Error message: "Values can't be set to empty or null!"** |
| **TC14** | **EC4** | **EC2** | **EC2** | **Error message: "Enter a numeric rating”** |
| **TC15** | **EC4** | **EC2** | **EC3** | **Error message: "Enter a rating from 0 to 10 "** |
| **TC16** | **EC4** | **EC2** | **EC4** | **Information message: "Successfully Updated"** |

**Delete Selected Button (Deletes selected movie)**

* **A movie must be selected in order to delete**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Input** | **Expected Output** |
| **EC1** | **No Selection** | **Invalid** |
| **EC2** | **Selected** | **Valid** |
| **EC3** | **Multiple Selected** | **Valid** |

|  |  |  |
| --- | --- | --- |
| **TC#** | **Selection** | **Output** |
| **TC1** | **EC1** | **Error message:”Please select a row to delete”** |
| **TC2** | **EC2** | **Information message: “Success”** |
| **TC3** | **EC3** | **Information message: “Success” (Deletes the top of the selected items)** |

**Submit Review/Rating window (User)**

* **User must select a rating**
* **User must write a review**
* **Maximum length of the review is 1000 character**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Description of EC** | **Expected output** |
| **EC1** | **No Rating** | **Invalid** |
| **EC2** | **Rating** | **Valid** |

|  |  |  |
| --- | --- | --- |
| **EC#** | **Description of EC** | **Expected output** |
| **EC3** | **No review** | **Invalid** |
| **EC4** | **0 < Review length < 1000** | **Valid** |
| **EC5** | **Review length > 1000** | **Invalid** |

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC#** | **Rating** | **Review** | **Output** |
| **TC1** | **EC1** | **EC3** | **Information message: “Please select a rating”** |
| **TC2** | **EC1** | **EC4** | **Information message: “Please select a rating”** |
| **TC3** | **EC1** | **EC5** | **Please select a Information message: “Please select a rating”** |
| **TC4** | **EC2** | **EC3** | **Information message: “Please write a review”** |
| **TC5** | **EC2** | **EC4** | **Success** |
| **TC6** | **EC2** | **EC5** | **Error message: “Unable to submit”** |

**Add actor window (admin)**

* **Admin must write actor name to not exceeds 45 char.**
* **Admin must write actor data of birth in the format YYYY-MM-DD , date of birth can’t be newer than current date.**

|  |  |  |
| --- | --- | --- |
| **EC#** | **Description of EC** | **Expected output** |
| **EC1** | **Empty** | **Invalid** |
| **EC2** | **0 < actor name < 45** | **Valid** |
| **EC3** | **Actor name > 45** | **Invalid** |

|  |  |  |
| --- | --- | --- |
| **EC#** | **Description of EC** | **Expected output** |
| **EC4** | **Empty** | **Invalid** |
| **EC5** | **Format = YYYY-MM-DD** | **Valid** |
| **EC6** | **Another Format** | **Invalid** |
| **EC7** | **Date of birth > current date** | **Invalid** |

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC#** | **Actor name** | **Date of birth** | **Output** |
| **TC1** | **EC1** | **EC4, EC5, EC6,EC7** | **Error message: "Values can't be set to empty or null!"** |
| **TC2** | **EC2** | **EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC3** | **EC2** | **EC5** | **Information message: "Successfully Added"** |
| **TC4** | **EC2** | **EC6** | **Error message: "Enter a valid date of birth"** |
| **TC5** | **EC2** | **EC7** | **Error message: "Enter a valid date of birth"** |
| **TC6** | **EC3** | **EC4** | **Error message: "Values can't be set to empty or null!"** |
| **TC7** | **EC3** | **EC5** | **Error message:"Name can't exceed 45 characters"** |
| **TC8** | **EC3** | **EC6** | **Error message:"Name can't exceed 45 characters"** |
| **TC9** | **EC3** | **EC7** | **Error message:"Name can't exceed 45 characters"** |