|  |  |
| --- | --- |
| **Name** | Contract 1.1 Generate Schedule |
| **Operation** | generateSchedule(Student:astudent) |
| **Cross Reference** | UC13 Generate Schedule |
| **Pre conditions** | -User is logged into the system |
| **Post conditions** |  |

|  |  |
| --- | --- |
| **Name** | Contract 3.1 Set Prefrences |
| **Operation** | setPreferences(Student: student, Preferences: pref) |
| **Cross Reference** | UC11 Set Preferences |
| **Pre conditions** | Student logged into the System |
| **Post Conditions** | -Attributes offday, timeOfday, numCoursePerSem in the preference instance associated with the student is modified |

|  |  |
| --- | --- |
| **Name** | Contract 4.1 Search course in database |
| **Operation** | searchCourseInDB() |
| **Cross Reference** | UC23 Add Course to Program |
| **Preconditions** | -User Logged in as administrator |
| **Postconditions** |  |

|  |  |
| --- | --- |
| **Name** | Contract 4.2 Add course in database |
| **Operation** | modifyCourseInDB(JSON) |
| **Cross Reference** | UC23 Add Course to Program |
| **PreConditions** | -User Logged in as administrator  -Course does not already exist |
| **Post Conditions** | -New instance of class course is created |

|  |  |
| --- | --- |
| **Name** | Contract 4.3 Add section in database |
| **Operation** | addSectionInDB(JSON) |
| **Cross Reference** | UC23 Add Course to Program |
| **PreConditions** | -User Logged in as administrator  -There is an existing course to which the section will be added. |
| **Post Conditions** | -New instance of class section is created.  -Section is associated with a course based on courseId attribute in class section |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UC1** | **Login** | | | | | |
| **ID** | **Description** | **Input** | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **1.1** | **User inputs valid username and password (matching inputs)** | **Username: “student1”**  **Password: “a1b3c3d4”** | **User is redirected to student main page** | **PASS** |  |  |
| **1.2** | **User inputs a valid password and admin username** | **Username: “Jason”**  **Password: “Password1”** | **User is redirected to admin main page** | **PASS** |  |  |
| **1.3** | **User inputs invalid username and/or password** | **Username:”student1”**  **Password:”abc”** | **"Incorrect password and/or username"** | **PASS** |  |  |
| **1.4** | **User tries to login with one of the fields empty** | **Username:”student1”**  **Passowrd:** | **"Incorrect password and/or username"** | **PASS** |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UC2** | **Logout** | | | | | |
| **ID** | **Description** | **Input** | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **2.1** | **User clicks on "logout" button** |  | **User is redirected to student main page** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC4** |  | | **Sign up** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **4.1** | **User inputs valid username, email and password.** | **Username: “student1”**  **Password:”a1b2c3d4”**  **Email: student1@gmail.com** | | **Account is created and the user is redirected to the preferences page in their new account** | **PASS** |  |  |
| **4.2** | **User inputs a valid password and username, but an invalid email.** | **Username: “student1”**  **Password:”a1b2c3d4”**  **Email: student1** | | **Error Message displayed asking user to enter a valid email** | **FAIL** | **2** | **fixed for v1.2** |
| **4.3** | **User inputs a valid password and email, but an invalid username.** | **Username: “a”**  **Password:”a1b2c3d4”**  **Email: student1@gmail.com** | | **Error Message displayed asking user to input a username with 4-6 characters** | **PASS** |  |  |
| **4.4** | **User inputs "admin" as a username, with a valid password and email.** | **Username: “admin”**  **Password:”a1b2c3d4”**  **Email: student1@gmail.com** | | **Error message appears notifying user that the username entered is invalid** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC19** |  | | **Edit Account Information** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **19.1** | **User changes the username by inputting a new valid username** | **Username: “studnetx”** | | **Name is changed in the account management page** | **PASS** |  |  |
| **19.2** | **User tries to change the username by inputting the same current user name** | **UsernameOld: “studnet1”**  **UsernameNew: “studnet1”** | | **Error Message notifying the user that the entered user name is the same as the old one** | **PASS** |  | **Fixed v1.1** |
| **19.3** | **User changes the username with a new user name that is too short (less than 4 characters)** | **UsernameOld: “studnet1”**  **UsernameNew: “s1”** | | **Error message notifying the user that the username is too short** | **PASS** |  |  |
| **19.4** | **Change current email with a new valid email** | **OldEmail: s1@gmail.com**  **NewEmails:s2@gmail.com** | | **New email appears on the user account information** | **PASS** |  |  |
| **19.5** | **Change current email with one that has invalid format** | New Email: s123 | | **Error message appears asking the user to input a valid email address.** | **FAIL** | **2** | Fixed for V1.2 |
| **19.6** | **Change Password by entering the correct current password and new password with 8-16 characters and retype the new password correctly** | oldPassword:”a1b2c34d”  NewPasword: "123abc—" | | **Password is changed** | **PASS** |  |  |
| **19.7** | **Change Password by inputting the same current password as the new one** | oldPassword:”a1b2c34d”  NewPasword: a1b2c34d " | | **Error message appears notifying user to enter a new password** | **PASS** |  |  |
| **19.8** | **Change password by entering the correct current one , entering a valid new one but mismatch in retyping the new one** | oldPassword:”a1b2c34d”  Retype: 1249gjt  NewPasword: a1b2c5jug : | | **Error message notifying the user that the passwords do not match** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC23** |  | | **Add Course to Program (Administrator)** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **23.1** | **Add a new course to list of courses offered** | **Soen549** | | **Course is added to the list of courses displayed** | **PASS** |  |  |
| **23.2** | **Add a course that already exists in the list of courses** | **Soen341** | | **Error message appears and**  **Course List is not changed** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC24** |  | | **Edit Course (administrator)** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **24.1** | **Edit Course Description** |  | | **Course description is changed** | **PASS** |  |  |
| **24.2** | **Edit Course Prerequisites** |  | | **Course prerequisites changes** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC26** |  | | **Add Section (administrator)** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **26.1** | **Create new section with valid inputs** | **Name:UI, Location: H-563 Day:MW Time:16:15-17:30,Course Name:SOEN341, Semester: W2016** | | **New Section is added to the list of sections of the required course** | **PASS** |  |  |
| **26.2** | **Create Section without inputting all the data** | **H-563 Day:MW** | | **Error message appears notifying the user to complete the data required** | **PASS** |  |  |
| **26.3** | **Add Section with existing section name** | **Name SOeEN341** | | **Error Message appears notifying the admin that section already exists** | **PASS** |  |  |
| **26.4** | **Add section with the same date, time and location of an existing section** | **Name:UF, Location: H-563 Day:MW Time:16:15-17:30,Course Name:SOEN341, Semester: W2016** | | **Error Message appears to notify admin that the section cannot be created** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC25** |  | | **Delete Course (administrator)** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **25.1** | **Delete an existing course from course list** |  | | **Course is removed from the course list** | **PASS** |  |  |
| **25.2** | **Delete a course with ID not in the list** |  | | **Error message appears and**  **Course List is not changed** | **PASS** |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC27** |  | | **Edit Section (administrator)** | | | | |
| **ID** | **Description** |  | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **27.1** | **Edit the time of an existing section  (ex: SOEN 341, Time:18:00-19:00)** | **Time 15:00-17:00** | | **Section time is changed; new time appears in the section information** | **FAIL** | **6** | **fixed for v1.2** |
| **27.2** | **Edit the location of an existing section** | **H -511** | | **Section location is changed; new location appears in the section information** | **FAIL** | **6** | **fixed for v1.2** |

|  |
| --- |
| **UC27** |
| **ID** | **Result** | **Bug ID** | **Comments** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UC 28** |  | | **Delete Section (administrator)** | | | | |
| **ID** | **Description** | **Input** | | **Expected Output** | **Result** | **Bug ID** | **Comments** |
| **28.1** | **Delete an existing section from the list of sections of a course** |  | | **Section is removed from the list** | **PASS** |  | **Fixed v1.1** |