User Story #	User Story	Task	Test Case Description	Justification for Manual	Pre-condition	Steps	Expected Results
4a	Member/Admin login and security. (These can be fit under any member userstory, so will arbitrarily be placed with #4. It is being renamed 4a for differentiation in testing)	Create encrpytion for password security	Verify passwords are encrpyted	Validating entries in database and if they are properly encrpyed	Users are present in database with passwords that are known (Compare to see if encrpyted value != actual password)	1. In the terminal window, type "scp superior@nysc.cloudapp.net:nysc-membership/course_form/db/development.sqlite3 ./". Type in "Super1or" when you are prompted with "superior@nysc.cloudapp.net's password:".	Successful transfer of the database sqllite3 file will be indicated by the message "development.sqlite3 100% 5120 5.0KB/s 00:00" in the terminal window.
						2. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window "SQLite version 3.7.9 2011-11-01 00:52:41 Enter ".help" for instructions Enter SQL statements terminated with a ";" sqlite>"
						3. In the terminal window, type " select password from participants"	List of encrypted passwords are returned
5	Register for classes during regular period	Add enrollment to enrollment database if payment goes through	Payment goes through and member chooses to enroll in the course	- Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter and confirm Paypal information	Payment successful
						7. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						8. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
						9. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
						10. Validate that one of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it is associated with the right CourseID and startdate. Ensure that the waitlist_status is 0	ParticipantID and CourseID correspond. Verify that it is the regular price that was charged
			Member chooses to not to enroll in the course before submitting	- Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register'. Do not confirm by clicking 'No' on the prompt	Current page is still displayed. Paypal page is not displayed
						6. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						7. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"

#	Test Name	Feature	Scenario	Purpose	Precondition	Step	Expected Result
						8. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
						9. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate	Corresponding entry not found
			PayPal processed payment with regular fee	- Need to log into PayPal account to verify if PayPal payment is successful	At least one class exists in the database and there exists at least one member in the database. The member has a PayPal account	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter and confirm Paypal information	Payment successful
						7. Log onto PayPal account to ensure regular course fee payment was received	Payment was received
5	Register for classes during regular period	Incorporate Paypal payment method	PayPal does not process payment	- Need to log into PayPal account to verify if PayPal payment is not successful	At least one class exists in the database and there exists at least one member in the database. The member has a PayPal account	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter Paypal information but click on 'Cancel'	Payment is not successful
						7. Log onto PayPal account to ensure regular course fee payment was not received	No form of payment was received for the fail transaction
			PayPal processed payment with early bird fee	- Need to log into PayPal account to verify if PayPal payment is successful	At least one class exists in the database and there exists at least one member in the database. The member has a PayPal account	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter and confirm Paypal information	Payment successful
						7. Log onto PayPal account to ensure early bird course fee payment was received	Payment was received
6	Register for classes in early bird period	Incorporate Paypal payment method	PayPal does not process payment	- Need to log into PayPal account to verify if PayPal payment is not successful	At least one class exists in the database and there exists at least one member in the database. The member has a PayPal account	1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter Paypal information but click on 'Cancel'	Payment is not successful
						7. Log onto PayPal account to ensure early bird fee payment was not received	No form of payment was received for the fail transaction

#	Feature	Action	Scenario	Validation	DB Condition	Step	Expected Result
			Payment goes through and member chooses to enroll in the course			1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register' and confirm with a 'Yes' for the prompt	Paypal page displayed
						6. Enter and confirm Paypal information	Payment successful
						7. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						8. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
						9. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
						10. Validate that one of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it is associated with the right CourseID and startdate. Ensure that the waitlist_status is 0	ParticipantID and CourseID correspond. Verify that it is the early bird price that was charged
			Member chooses to not to enroll in the course before submitting			1. On the home page, log in as a member by typing in the participantID and associated password and clicking on the Log In link	Member home page is displayed
						2. Click on the 'Courses' link	Course listings page is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Click on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Click on 'Register'. Do not confirm by clicking 'No' on the prompt	Current page is still displayed. Paypal page is not displayed and no attempts will be made to charge the member
						6. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						7. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
						8. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
6	Register for classes in early bird period	Add enrollment to enrollment database if payment goes through		Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database	9. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate	Corresponding entry not found
7	Allow user to join waitlist of full course	Add to enrollment database if waitlisted with correct pricing	Course is full and member is attempting to enroll during early bird period	Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database. It is early bird period and the	1. Login as a member on the home page	Member home page is displayed
						2. Click on the 'Courses' link	Course listing is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Clock on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in

#	Feature	Requirement	Condition	Validation	Precondition	Step	Expected Result
						5. Verify that all the fields in the form are filled in and click on 'Register'. Confirm by clicking 'Yes' on the prompt	All fields are present and receive message indicating being waitlisted
						6. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						7. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
						8. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
						9. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate. Ensure that the waitlist_status is greater than 0.	Corresponding entry is found
						10. Verify that the price is the early bird price	Price is the early bird price
						1. Login as a member on the home page	Member home page is displayed
						2. Click on the 'Courses' link	Course listing is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
						4. Clock on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
						5. Verify that all the fields in the form are filled in and click on 'Register'	All fields are present and receive message indicating being waitlisted
						6. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
						7. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
			Course is full and member is attempting to enroll during regular period	Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database. It is regular period and the course is full	8. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
						9. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate. Ensure that the waitlist_status is greater than 0	Corresponding entry is found
						10. Verify that the price is the regular price	Price is the regular price
						1. Login as a member on the home page	Member home page is displayed
						2. Click on the 'Courses' link	Course listing is displayed
						3. Click on the 'Search' link	At least one course should appear in the list on the listing page
7	Allow user to join waitlist of full course	Add to enrollment database if waitlisted with correct pricing	Course is not full and member is attempting to enroll during early bird period	Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database. It is early bird period and the	4. Clock on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in

			Step	Expected Result
			5. Verify that all the fields in the form are filled in and click on 'Register'	All fields are present and Paypal form displayed
			6. Fill out the necessary form information on the PayPal form and hit submit	Payment successful
			7. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
			8. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
			9. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
			10. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate. Ensure that the waitlist_status is greater than 0	Corresponding entry is found
			11. Verify that the price is the early bird price	Price is the early bird price
Course is not full and member is attempting to enroll during regular period	Need to validate database entries against what is displayed by the browser using SQLite3 program	At least one class exists in the database and there exists at least one member in the database. It is regular period and the course is not full	1. Login as a member on the home page	Member home page is displayed
			2. Click on the 'Courses' link	Course listing is displayed
			3. Click on the 'Search' link	At least one course should appear in the list on the listing page
			4. Clock on the 'Register' link beside the first course on the list	Course registration form should be displayed along with the necessary information filled in
			5. Verify that all the fields in the form are filled in and click on 'Register'	All fields are present and Paypal form displayed
			6. Fill out the necessary form information on the PayPal form and hit submit	Payment successful
			7. In terminal window, enter "scp superior@nysc.cloudapp.net:nysc-membership/registration/db/development.sqlite3 ./". When prompted with "superior@nysc.cloudapp.net's password:" type "Super1or"	Successful transfer of the database sqllite3 file indicated in the terminal window.
			8. In the terminal window, use the command "sqlite3 development.sqlite3" to access the contents of the SQLite file that you just obtained.	You should see the following in the terminal window: "sqlite>"
			9. In the terminal window, type " select * from enrollment"	The returned results should be the details of every course should be displayed in the order of participantID, courseID, startDate, and waitlist_status
			10. Validate that none of the participantID values correspond to the used member account used for enrolling in a course in the previous steps and it should not be associated with the right CourseID and startdate. Ensure that the waitlist_status is greater than 0	Corresponding entry is found
			11. Verify that the price is the regular price	Price is the early regular price

				Selenium IDE does not have feature for validating links. Cannot run the same auto-test script to create a new participant every time, because the participant ID's will conflict; and confirmation page is available only after a participant has been newly created.		1. Click the "add a member" link to navigate to the form for adding a new participant.	New participant form page is displayed.
						2. Fill in the form as appropriate, and correct any errors shown. Note that all fields except doctor's note date must be filled in, phone number must be 9 or 10 characters long, and participant ID must be 8 characters. Submit the form.	New participant is created, and the participant creation confirmation page is displayed.
10A	Sign up new participant in person	after adding, the 'back' link should go to admin home page	After creating a new participant successfully, the admin is presented with the confirmation page. The "back" button on that page should bring them back to the admin home page.		Admin is logged in and at the admin home page.	3. Click the "Back to Admin Home" button.	Admin home page is displayed.
						1. Click the "add a course" link to navigate to the form for adding a new course.	New course form page is displayed.
						2. Fill in the form as appropriate, and correct any errors shown. Note that course ID's must be 8 characters in length, all fields must be filled in, prices and size cannot be negative, and start time must be before end time. Submit the form.	New course is created, and the course creation confirmation page is displayed.
17A	Create a new class	after adding, the 'back' link should go to admin home page	After creating a course successfully, the admin is presented with the confirmation page. The "back" button on that page should bring them back to the admin home	Simlar to 10A	Admin is logged in and at the admin home page.	3. Click the "Back" button.	Admin home page is displayed.