

Test Focus	Test Description	Pre/Post condition	Test Steps	Test Data	Expected Result	Actual Result	Test Result
Login	Checking login functionality for registered/unregistered users		i) Run tool on command line	i) Correct username Correct password Correct checkbox	i) Should Login	i) Logs in	i) Pass
			ii) Enter username	ii) Correct username Wrong password Correct checkbox	ii) Should not Login	ii) Doesn't Login	ii) Pass
			iii) Enter password	iii) Wrong username Correct password Correct checkbox	iii) Should not Login	iii) Doesn't Login	iii) Pass
			iv) Click checkbox for Student/Instructor	iv) Wrong username Wrong password Correct checkbox	iv) Should not Login	iv) Doesn't Login	iv) Pass
			v) Click 'Login'	v) Correct username Correct password Wrong checkbox	v) Should not Login	v) Doesn't Login	v) Pass
				vi) Correct username Wrong password Wrong checkbox	vi) Should not Login	vi) Doesn't Login	vi) Pass
				vii) Wrong username Correct password Wrong checkbox	vii) Should not Login	vii) Doesn't Login	vii) Pass
				viii) Wrong username, password and checkbox	viii) Should not Login	viii) Doesn't Login	viii) Pass

View available course	Checks if student can see all courses that can be taken	Pre: i) Must be logged into a Student account ii) Assume there are N available course	i) Login as student ii) Click 'view available courses'	i) Enrolled for no courses ii) Enrolled for M courses where $M < N$	i) All N courses should be displayed ii) N-M courses which the student has not taken must be displayed	i) All N courses displayed ii) N courses which the student has not taken displayed	i) Pass ii) Pass
Enroll for a course	Checks if student can enroll for the available listed courses	Pre: i) Must be logged into a Student account ii) Assume there are N available course Post: i) Registered course added into 'Studtake' database record	i) Login as student ii) Click 'view available courses' iii) Click a course	i) Student has already enrolled for the course ii) Student has not enrolled for the course	i) Message should flash prompting that the student has already enrolled ii) Message should flash prompting that the student has successfully enrolled.	i) Message flashes prompting that the student has already enrolled ii) Message flashes prompting that the student has successfully enrolled.	i) Pass ii) Pass
View Courses taken	Verify that the courses the student has registered for is logged for future reference	Pre: i) Must be logged into a Student account	i) Login as student ii) Click 'view taken courses'	i) Registered for M courses where $M > 0$ ii) Registered for no course	i) Screen should be populated with the courses taken in the format Code Name Credits ii) Blank Screen	i) Output is the list of courses student has enrolled for in the prescribed format ii) Blank screen	i) Pass ii) Pass

				<p>Positive integer credits</p> <p>vii) Positive integer code used before Name that's not used before Negative integer/decimal credits</p> <p>viii) Positive integer used before Name that's not used before Negative integer/decimal credits</p> <p>ix) Negative/Fractional code</p>	<p>vii) Shouldn't create course</p> <p>viii) Shouldn't create course</p> <p>ix) Shouldn't create course</p>	<p>or code exists'</p> <p>vii) Flash error message 'Course with same name or code exists'</p> <p>viii) Flash error message 'Course with same name or code exists'</p> <p>ix) Flash error message 'Enter only positive integers'</p>	<p>vii) Pass</p> <p>viii) Pass</p> <p>ix) Pass</p>
View Offered courses	Allow Instructor to view courses offered	Pre: i) Must be logged into a Instructor account	<p>i) Login as Instructor</p> <p>ii) Click 'view courses offered'</p>	<p>i) Offered M courses where $M > 0$</p> <p>ii) Offered for no course</p>	<p>i) Screen should be populated with the courses taken in the format Code Name Credits</p> <p>ii) Blank Screen</p>	<p>i) Output is the list of courses student has enrolled for in the prescribed format</p> <p>ii) Blank screen shown</p>	<p>i) Pass</p> <p>ii) Pass</p>
View Students	Allow Instructor to view the details of	Pre: i) Must be logged	i) Login as Instructor	i) M students have taken courses where $M > 0$ and	i) Screen should be populated with the	i) Output is the list of courses	i) Pass

taking an offered course	students taking their courses	into a Instructor account ii) Assume N students are present in database	ii) Click 'view courses offered'	M <= N ii) No students have taken the courses offered	courses taken in the format id Stu_name course_name Credits ii) Blank Screen	student has enrolled for in the prescribed format ii) Blank screen shown	ii) Pass
Back to Previous	Return to the previous screen for easy navigation	i) User must be logged in	i) Login ii) Click any option iii) Click 'Back to Previous'	i) Student account ii) Instructor account	i) Should return to menu with 'View available courses' and 'View courses taken' ii) Should return to menu with 'View courses offered', 'Create new course' and 'View students taking course'	i) Returns to the expected menu ii) Return to the expected menu	i) Pass ii) pass
Logout	Safely end a user session	i) User must be logged in	i) Login ii) Click Logout button	i) Any user account	i) Should Return to main login screen	ii) Returns to main login screen	i) Pass
Sign Up	Registers a new user into the database	Pre: i) User database must exist Post: ii) User information must be appended to the appropriate table in the database	i) Enter username ii) Enter Password iii) Select Student/ Instructor	i) New username New password ii) New username password used in another account iii) Username that exists iv) Student/Instructor unmarked	i) Should Sign up user ii) Should Sign up username iii) Prompt account with username already exists iv) Prompt to choose one option	i) Signs up user ii) Signs up user iii) Prompts alert iv) Prompts alert	i) Pass ii) Pass iii) Pass iv) Pass

Drop course	Student drops a course they previously enrolled in	Pre: i) Must be logged into a Student account Post: i) Studtake table must be updated, dropping the relevant row	i) Login ii) Click 'View your Courses taken' iii) Click on any course	i) Student is enrolled for the course ii) Student already dropped the course(or it has been withdrawn), but clicks the course button again	i) Should drop the course ii) Should prompt that the course has already been dropped	i) Successfully drops course with notification ii) Prompts user with notification about course already being dropped	i) Pass ii) Pass
Withdraw course	Instructor withdraws course	Pre: i) Must be logged into a Instructor account Post: i) Studtake and Course table must be updated, dropping the relevant rows	i) Login ii) Click 'View your Courses offered' iii) Click on any course	i) The course exists ii) The course has been withdrawn	i) Should withdraw the course ii) Should prompt that the course has already been withdrawn	i) Successfully withdraws course with notification ii) Prompts user with notification about course already being withdrawn	i) Pass ii) Pass