



Project - Testing Document

IT6037 - Data Access and Management

Test Case ID	Test Description	Pre-Conditions	Steps to be Executed	Expected Result	Actual Result	Pass/Fail
TC1	Server User interface Connection	*Atlas Database connection *Database password	1. Open command prompt -> CD server path ->npm install -> npm run dev run 2. Open another command prompt-> CD project directory path -> npm start 3. development server start (http://localhost:3000/)	Site opens in web browser	Site opened as per the expected result.	Pass

TC2	Security Test 1 Student – Correct username and password	*Server and Database connected successfully *Functioning web browser *Functioning Username and password	1. Enter student1 into username and asdasd into password 2. Click on the login button	Site navigates to content page designed for the student user	Login student1 successfully	Pass
TC3	Security Test 2 Student - Incorrect username and correct password	*Server and Database connected successfully *Functioning web browser *Functioning password	1. Enter student into username and asdasd into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC4	Security Test 3 Student – Correct username and incorrect password	*Server and Database connected successfully *Functioning web browser *Functioning Username	1. Enter student1 into username and xyz into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC5	Security Test 4 Student - Incorrect username and password	*Server and Database connected successfully *Functioning web browser	1. Enter student into username and xyz into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Passs
TC6	Security Test 5 Tutor – Correct username and password	*Server and Database connected successfully *Functioning web browser *Functioning username and password	1. Enter tutor1 into username and asdasd into password 2. Click on the login button	Site navigates to content page designed for the tutor user	User logged in successfully.	Pass

TC7	Security Test 6 Tutor – Correct username and incorrect password	*Server and Database connected successfully *Functioning web browser *Functioning username	1. Enter tutor1 into username and abc into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC8	Security Test 7 Tutor – Incorrect username and correct password	*Server and Database connected successfully *Functioning web browser *Functioning password	1. Enter tutor into username and asdasd into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC9	Security Test 8 Tutor – Incorrect username and password	*Server and Database connected successfully *Functioning web browser	1. Enter tutor into username and abc into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC10	Security Test 9 Admin – Correct username and password	*Server and Database connected successfully *Functioning web browser *Functioning username and password	1. Enter admin1 into username and asdasd into password 2. Click on the login button	Site navigates to content page designed for the admin user	User logged in successfully.	Pass
TC11	Security Test 10 Admin – Incorrect username and correct password	*Server and Database connected successfully *Functioning web browser *Functioning password	1. Enter admin into username and asdasd into password 2. Click on the login button	The page stays the same and does not change	User fail to login, page stays same	Pass

TC12	Security Test 11 Admin – Correct username and incorrect password	*Server and Database connected successfully *Functioning web browser *Functioning username	1. Enter admin1 into username and JKL into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC13	Security Test 12 Admin – Incorrect username and password	*Server and Database connected successfully *Functioning web browser	1. Enter admin into username and JKL into password 2. Click on the login button	The page stays the same and does not change	User can not logged in, page stays same	Pass
TC14	Query Test 1 – Search Query for category - student account	*Server and Database connected successfully *Functioning web browser *Authorised student user account	1. Type “Arts” into the search bar 2. Click enter	The “Claude Monet”, “Leonardo da Vinci” and “Mona Lisa” articles load the page	result as expected	Pass
TC15	Query Test 2 – Search Query for keyword - student account	*Server and Database connected successfully *Functioning web browser *Authorised student user account	1. Type “Bill” into the search bar 2. Click enter	The “Bill Gates” article loads on the page	‘Bill Gates’ article loads as type ‘Bill’.	Pass
TC16	Query Test 3 – Read Query for student account	*Server and Database connected successfully *Functioning web browser *Authorised student user account	1. Click on the title “Quicksort”	The “Quicksort” article loads on the page	‘Quicksort’ article loads as expected.	Pass
TC17	Query Test 4 – Search Query	*Server and Database connected successfully	1. Type “Technology” into the search bar 2. Click enter	The “Bill Gates” and “Steve Jobs” and “Java” articles load the page	as expected “Bill Gates”, “Steve Jobs”	Pass

	for category - tutor account	*Functioning web browser *Authorised tutor user account			and “Java” articles loads.	
TC18	Query Test 5 – Search Query for keyword - tutor account	*Server and Database connected successfully *Functioning web browser *Authorised tutor user account	1. Type “Mona” into the search bar 2. Click enter	The “Mona Lisa” article loads the page	Result as expected.	Pass
TC19	Query Test 6 – Read Query for tutor account	*Server and Database connected successfully *Functioning web browser *Authorised tutor user account	Click on the see more to open the “Mona Lisa” article.	The “Mona Lisa” article loads the page	Test run successfully. See more function works fine.	Pass
TC20	Query Test 7 – Create Query for tutor account	*Server and Database connected successfully *Functioning web browser *Authorised tutor user account	1. Click on the Create button 2. Enter the required data 3. Submit the data	The new article is added to the list of existing articles	New page created and can be seen in the article list.	Pass
TC21	Query Test 8 – Update or Edit Query for tutor account	*Server and Database connected successfully *Functioning web browser *Authorised tutor user account	1. Select the “Quicksort” article 2. Select category and change it to “Crafts” 3. Submit changes	The category of “Quicksort” is now updated to “Crafts”	Article not updated	Fail
TC22	Query Test 9 – Search Query for category – admin account	*Server and Database connected successfully *Functioning web browser	1. Type “Mathematics” into the search bar 2. Click enter	The “Pythagorean theorem” and “Euclid” articles load the page	result show as expected.	Pass

		*Authorised admin user account				
TC23	Query Test 10 – Search Query for keyword - admin account	*Server and Database connected successfully *Functioning web browser *Authorised admin user account	1. Type “Jobs” into the search bar 2. Click enter	The “Steve Jobs” article loads the page	“Steve Jobs” article loads as expected	Pass
TC24	Query Test 11 – Read Query for admin account	*Server and Database connected successfully *Functioning web browser *Authorised admin user account	Select the “Steve Jobs” title	The “Steve Jobs” article loads the page	“Steve Jobs” article loads as expected	Pass
TC25	Query Test 12 – Create Query for admin account	*Server and Database connected successfully *Functioning web browser *Authorised admin user account	1. Click on the Create button 2. Enter the required data 3. Submit the data	The new article is added to the list of existing articles	New page created and can be seen in the article list.	Pass
TC26	Query Test 13 – Update or Edit Query for admin account	*Server and Database connected successfully *Functioning web browser *Authorised admin user account	1. Select an “Mona Lisa” 2. Select category and change it to “Crafts” 3. Submit changes	The “Mona Lisa” category is now updated to “Crafts”	Article not updated	Fail
TC27	Query Test 14 – Delete Query for admin account	*Server and Database connected successfully *Functioning web browser *Authorised admin user account	1. Select “Quicksort” article 2. Press Delete button	The “Quicksort” article should no longer be in the article list	Delete function works fine.	Pass

TC28	Page navigation	*Server and Database connected successfully *Functioning web browser *Authorised user account	1. Click on each link a) Student-> login -> browse articles by category or keywords b) Tutor-> login-> Add or Edit page c) Admin-> Login -> Add, Delete and modify page.	The page navigates to the expected page	All pages navigate successfully.	Pass
TC29	Web Page Test	*Functioning web browser	After starting development server successfully, landing page open with the http://localhost:3000/	The landing page opens up in the web browser	Landing page opened into the browser successfully.	Pass