

Requirement Traceability Matrix QuickScale Web Application							
Requirement ID	Requirement Level	Requirement Description	Test Description	Function or Non-functional	Test Method	Test Procedure	Status
1.1.1	1	App and features Accesibility	Users shall be able to acess the web application	Functional	Demonstration	Type the web address of the application and see if it loads	Not Tested
1.1.2			Users shall be able to choose what scale they want to view	Functional	Demonstration	Click on the scroll down menu for scale key and mode	Not Tested
1.1.3			Users shall be able to choose how many strings and frets they want to see	Functional	Demonstration	click on the scroll down menu to see if all frets and string numbers are available	Not Tested
1.1.4			Users shall be able to change the tuning	Functional	Demonstration	Click on the scroll down menu and see if tunings can be changed	Not Tested
1.1.5			Users shall be able to view chords at different positions	Functional	Demonstration	See if chord charts populate and see if you can click through different positions	Not Tested
1.2.1		Logins and Accounts	Users shall be able to create an account	Functional	Demonstration	As a non registered user attempt to create an account	Not Tested
1.2.2			User shall be able to login and out of their accounts	Functional	Demonstration	As a registered user attempt to login in to your account and log out	Not Tested
1.2.3			Users shall be able to change their username or account email.		Demonstration	As a registered user try to change password and username	Not Tested
1.2.4			Users shall not be able to access an account without a proper username and password	Non-Functional	Demonstration	As a non registered user attempt to login with an invalid or incorrect username and password	Not Tested
1.3.1		Customizability	Users shall be able to move the windows of the web app around	Functional	Demonstration	Click on the windows of the app features and attempt to drag them	Not Tested
1.3.2			Users shall be able change the colors of the background	Functional	Demonstration	As a user attempt to change the background colors of the app by clicking on the scroll down menu	Not Tested
1.4.1		Account Control	Administrators shall be able to access their accounts from the main login page	Functional	Demonstration	As a logged out administrator, attempt to login in from the main page using a specific username and password	Not Tested
1.4.2			Administrators shall be able to view all usernames and passwords	Non-Functional	Demonstration	As an administrator, try to access the database listing of all the registered users	Not Tested
1.4.3			Administrator shall be able to change usernames and passwords	Non-Functional	Demonstration	As an administrator attempt to change the username and passwords of other users	Not Tested
1.4.4			Administrators shall be able to delete user accounts	Non-Functional	Demonstration	As an administrator attempt to delete an account	Not Tested
2.1.1	2	Accounts	The system shall let users login only with a valid username and password	Functional	Demonstration	Attempt incorrect login usernames and passwords	Not Tested
2.2.1		Database	User accounts shall be added to a database at the time of making account	Non-Functional	Inspection	Observe database after the creation of an account	Not Tested
2.2.2			A user id shall be assigned to the user when account is created	Non-Functional	Inspection	Observe database after the creation of an account	Not Tested
2.2.3			Database shall be able to hold over 1000 accounts	Non-Functional	Inspection	Simulate the creation of over 1000 accounts	Not Tested
2.3.1		Accesbilitiy	Web application should be accessible to users without an account	Funtional	Demonstration	As an unregistered user, attempt to use the web application	Not Tested
2.3.2			The web app shall let users decide what scales they want to view	Functional	Demonstration	As a user attmpet to change scales	Not Tested
2.3.3			The web app should let users decide how many strings or frets they want to view	Non-Functional	Demonstration	As a user attempt to change strings and frets	Not Tested
3.1.1	3	Coding Language	The web app shall be written using C#, TSqI, and ASP.NET Core.	Functional	Inspection	View the source code to the web app	Not Tested