Test Case Planning

Group members	Rin Pereira, Sarah Ross, Bobby Khleang, George Williams, Dylan Burton, Omaid Ghafoori

1. Use Case 1 - *Register a User*

Test Case ID	TC01 -
Test Objective	**Verify a new user can register with valid, unique username and password and gets feedback within 5 seconds.**
Preconditions	● User must already be on the registration page. ● Test data of email, username, and password must not already have been used.
Test steps	1. Enter email, username, password with valid values. 2. Click register.
Input Values	● Email: testuser@gmail.com ● Username: testuser ● Password: test123
Expected results	● System validates input ● Account is created and saved into database. ● Confirmation text is displayed → "Registration successful." ● No error messages. ● Backend operations completed within 5 seconds.

Test Case ID	TC02 - Already used email/username
Test Objective	**Make sure the system doesn't allow the use of the same email/username twice.**
Preconditions	● An existing account with the same username or email. ● User is on the registration page.
Test steps	1. Enter email or username that already exists. 2. Enter any password. 3. Click register.
Input Values	● Email: takeusername@gmail.com ● Username: takenusername ● Password: taken123
Expected results	● No new account made. ● Error message of "This username/email is already taken." ● The form refreshes with a red box around username/email field. ● Password field is also cleared. ● Backend operations are completed within 5 seconds.

Test Case ID	TC03 - Invalid email.
Test Objective	**Validates email rules.**
Preconditions	User is on the registration page.
Test steps	1. Enter an invalid email. 2. Enter a valid username and password. 3. Click register.
Input Values	● Email: wrongemail.com ● Email: wrongextension.net ● Username: validusername ● Password: pass123
Expected results	● No account created. ● Error with red container on email field with error message saying "This email is invalid." ● Backend operations are completed within 5 seconds.

Test Case ID	TC04 - Password invalid.
Test Objective	**Ensure password is of 6 characters or more.**
Preconditions	User is on registration page.
Test steps	1. Enter valid email and username. 2. Enter password that is shorter than 6 characters. 3. Click register.
Input Values	● Email: validemail@gmail.com ● Username: validusername ● Password: 12345
Expected results	● No account is created. ● Error message with red container around password field with error message that says "Password must be longer than 6 characters." ● Backend operations are completed within 5 seconds.