Software Test Cases

Test	Testing Type	Description
User register functionality	Integration	-Testing to ensure the user registration of our system works properly. -Users should be able to register to the system with a user name and password. If needed, restrictions on what characters, as well as a minimum or maximum number of permitted characters can be set. -Tests would be done manually.
Login functionality	Integration	-Allows users to log in to the system, provided they have already registered a user name and password. -Testing would include manually logging in to an account we create, as well as ensuring the logged in session is terminated on logging out and can not be accessed again without the user entering their credentials again.
Post update system test	Unit / Verification	-Manually test the basics of the system after an update to make sure it all still works. -Exploring the system and testing inputs into everything to ensure things like the models and controllers function properly.
System backup functionality	Regression / Verification	-Test all features after changes are made to make sure no functionality of the system has broken. -Involves keeping backups of the system to roll back to in order to test when and where the problem occurred.

User experience test	User acceptance / Validation	-Involves both testing of our own, as well as getting volunteers, possibly who would fall within the target demographic of who would use our system, to test out what we have implemented. -Get feedback about their experience with the system, any oddities they notice, improvements they would make, etc.
External security test	Penetration	-Could involve using a machine to attempt to attack our system in a safe, controlled environment to test the security of the system. -Find and patch holes in security.