

YOKE Testing:

Throughout development we have been continually testing the functionality of YOKE to ensure it was working as intended and without error. While we have not written any unit tests yet we have done extensive system testing, acceptance testing, security testing, and usability testing.

System Testing

All throughout the development process of YOKE we have had each group member consistently pull updates and changes made to the codebase and test these changes on their local systems. This has allowed us to ensure that changes made to the codebase are correct and functional, and that they work across platforms.

Acceptance Testing

During the development of YOKE we have been checking changes made to our sqlite3 database file with the help of a program called DB Browser for SQLite, more info about this program is available at its website: <https://sqlitebrowser.org/>. This program has allowed us to check changes made to each table in our database following user actions on the YOKE platform. For example, when a user creates a task on the site we can check the tasks table in the sqlite database and ensure that the task was properly added to the database.

Security Testing

Our security testing has consisted of ensuring that users cannot access data that does not belong to their account on the site, and ensuring that users cannot log into accounts for which they don't have the password etc. We use the built in django user authentication system to authenticate users on login and track them across pages during a single session.

Usability Testing

We have also performed usability testing throughout the development process of YOKE after each set of codebase changes. We have each member of the group pull the latest changes and then test every feature of the site locally to ensure that no functionality has been lost and no errors introduced.