Testing Methodologies for ChoreDash

**User Story 3:** As a developer, I want an encrypted login system so that I can keep user’s accounts secure.

**Testing:**

* made multiple user accounts in succession and then check *all* entries in the website’s database to ensure each user account contained a password field that was hashed.
* Checked that the input field for password was actually being hashed and compared to the stored hash for the user password by printing out return statements from backend functions that hashed the entered password in the login

component and the backend functions that retrieve user information from the

database.

**User Story 4:** As a user, I want a usable web page with member login

**Testing:**

* Made multiple user accounts in succession and tried logging in with them to ensure each registered account can be logged into
* Tried logging in with credentials that were not registered to ensure the correct error messages were displayed
* Tried accessing member-restricted components without signing in to ensure they cannot be accessed without user authentication

**User Story 5:** As a developer, I want to restrict users to UCSC emails

**Testing:**

* Tried signing up with emails without @ symbols and with @gmail.edu and other domains to ensure signing up for the site only works with emails that have @ucsc.edu in the ‘email’ field upon registration. Error message was returned otherwise
* @ucsc.edu emails that are not valid still allow users to register (as expected)

**User Story 6:** As a user, I want to be able to make [and edit] a profile page

**Testing:**

* Signed up with multiple accounts and navigated to /profile from the navbar to ensure the information that was entered upon registration showed up in /profile
* Clicked on the ‘edit’ button on /profile and made sure the info that the accounted was registered with showed up as palceholders in settings
* Tried changing settings without a password that is at least 6 characters / incorrect repeated password to ensure proper error messages are displayed and settings are not saved
* Tried editing each settings individually and different combinations of settings to see if any combination gives errors writing to the database

**User Story 7:** As a user, I want to be able to post and manage a job

**Testing:**

* Posted a slew of jobs on multiple user accounts in varying orders and made sure that the ‘edit’ and ‘delete’ button only appear on jobs the user has posted.
* Made sure all jobs appear on the dashboard of all users
* Tested posting using different types of inputs in the text fields to ensure they post and appear on the dashboard without problems

**User Story 9:** As a user, I want to be able to contact other users by email

**Testing:**

* Created multiple job postings from multiple accounts and ensured the correct poster email was displayed on each post regardless of which user account was currently logged in

**User Story 12:** As a user, I want to see where the jobs are located

**Testing:**

* Created multiple job postings from multiple accounts with varying job posting locations, each selected from the suggested locations from the dropdown menu using the Google Maps API, and then logged into other accounts to see if the locations showed up accurately