

Unit Testing

Checking out tools:

The database was heavily used.

Started with making sure reserved tools are assigned to the correct user with the correct ID.

Then making sure the tools populated in the checkout screen are the correct tools. We made sure, upon clicking checkout, tools are assigned to the user correctly. Finally we made sure that the values for on-hand and checked out of the tool are updated correctly. These are the different tests that we ran in order to make sure

Creating an account:

The database was heavily used.

Started by entering the required fields and checking the database to make sure the accounts had been created and given a unique user ID. We then tested to make sure a user cannot create an account if their age is under 18, they receive a modal message telling them otherwise. We found there was an error when trying to create an account without filling out all of the text fields, so we made them required.

Contact Us:

When we started testing we needed to make sure a few fundamental things were happening. First, the emails had to be sent. Then, we had to gather the user's name and email to display in the message. We tested using different email services to make sure emails were still being sent.

Signing In:

Found an error when text fields were left blank, made them required fields. Fails to sign in when the username does not match an account in the database.

User Portal:

Made sure the User portal link shows up on each page. Displays any checked out tools. Found when an employee is logged in, the Employee portal and ledger do not display in the nav bar (fixed)

Employee Portal:

The tab only shows up when the active user is an employee. Displays a message with an error if a customer ID entered does not match any customers. When a user has no tools checked out, it displays their stats.