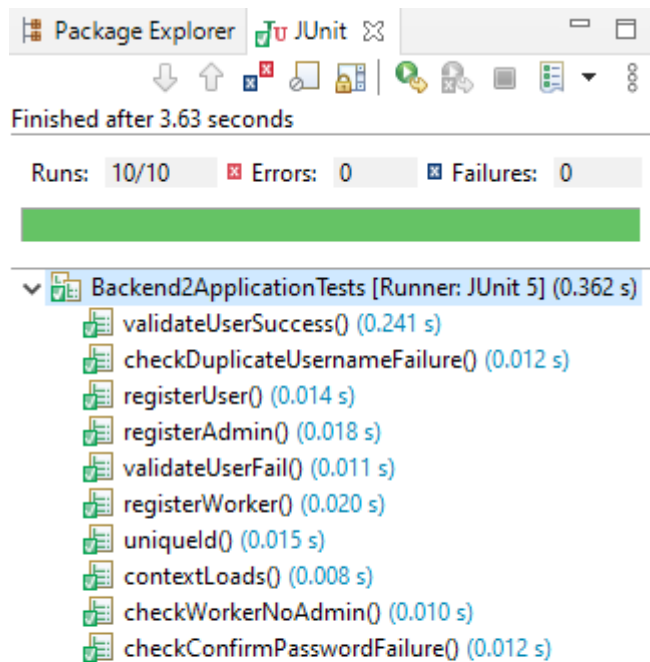# Front End Unit Testing for Milestone 2

Register and Login Tests
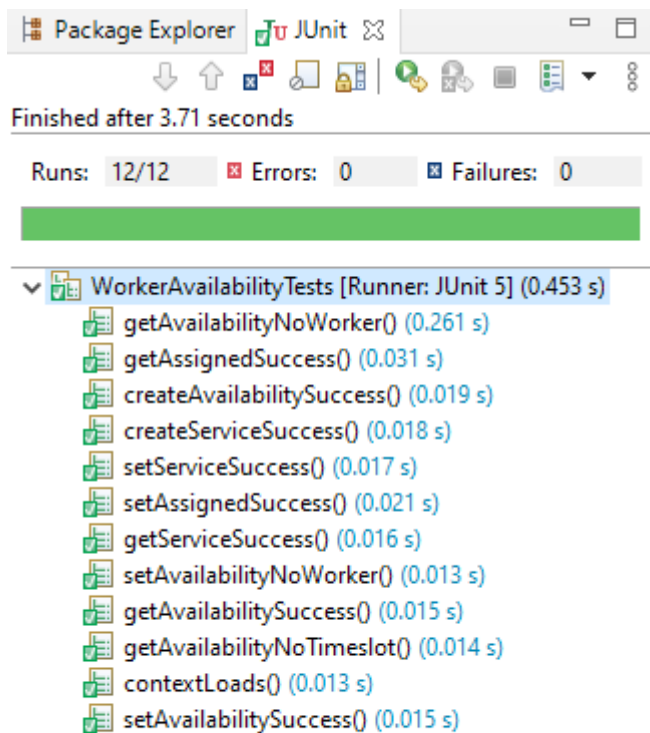

User Registration Tests:
 - We test if registering a customer passes without calling an exception.
 - We test if registering an admin passes without calling an exception.
 - We test if registering a worker assigned to an admin passes without calling an exception.
 - We test that all users are given a unique ID.
 - We test if registering a user with a different value in the password and confirm password fields calls an exception.
 - We test if registering a user with a username that already exists calls an exception.
 - We test if registering a worker to an invalid admin calls an exception.

Login Tests:
 - We test if a correct validation of a user is successful.
 - We test if an incorrect validation of a user calls an exception.

Worker Availability Tests

Worker Availability Tests:
- We test if setting availability for a worker passes without calling an exception.
- We test if getting availability for a worker and a time returns the correct value.
- We test if creating an availability for a worker works correctly.
- We test if setting availability for a worker that does not exist calls an exception.
- We test if getting availability for a worker that does not exist calls an exception.
- We test if getting availability for a time that is not in the database calls an exception.
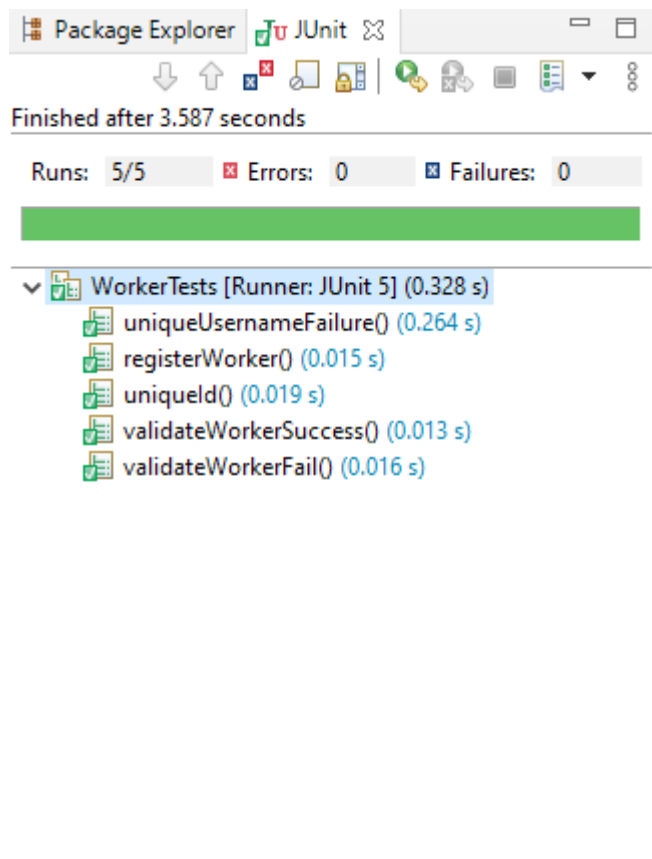
Worker Shift Tests:
- We test if assigning a worker to a shift passes without calling an exception.
- We test if retrieving all shifts for a worker returns the correct result.

Worker Service Tests:
- We test if setting a service for a worker passes without calling an exception.
- We test if getting a service for a worker and a time returns the correct value.
- We test if creating a service for a worker works correctly.

Adding Worker Tests

Worker Registration Tests:
 - We test if registering a worker passes without calling an exception.
 - We test if registering a user with a username that already exists calls an exception.
 - We test that all workers are given a unique ID.

Worker Login Tests:
 - We test if a correct validation of a worker is successful.
 - We test if an incorrect validation of a worker calls an exception.

Conclusion
In conclusion all the tests pass both in JUnit5 testing and CircleCI Maven testing which shows each function works as intended. All functionalities specified in sprint 1 and sprint 2 have been tested and are functional.