

# DEAKIN UNIVERSITY

## APPLIED SOFTWARE ENGINEERING

### ONTRACK SUBMISSION

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# Testing

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*Submitted By:*

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2025/04/16 19:57

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Outcome	Weight
ULO1	◆◆◆◆◆
ULO2	◆◆◆◆◆
ULO3	◆◆◆◆◆
ULO4	◆◆◆◆◆

By testing both the User Model validation and User Controller functionality, I can verify that all components work correctly and generate reports that confirm my application's correctness.

April 16, 2025



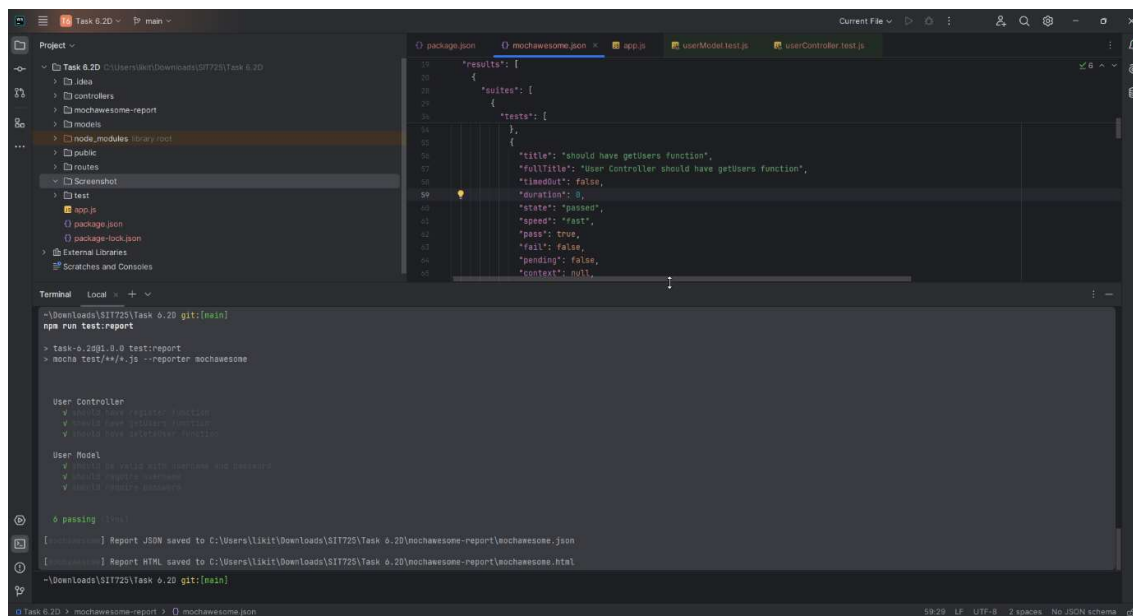
# SIT725 – Applied Software Engineering

## Task 6.2D – Testing

GitHub Link:

<https://github.com/Screwlogist/SIT725.git>

Screenshots:



```
Task 6.2D - P: main -> Current File -> package.json -> mochawesome-report -> app.js -> userModel.test.js -> userController.test.js
```

```
Project -> Task 6.2D -> C:\Users\lixi\Downloads\SIT725\Task 6.2D -> test -> test
```

```
package.json
```

```
  "scripts": {
    "test": "mocha test/**/*.js --reporter mochawesome",
    "test:report": "mocha test/**/*.js --reporter mochawesome --reporter-options --report-dir mochawesome-report"
  },
  "devDependencies": {
    "mocha": "9.1.3",
    "mochawesome": "6.2.0",
    "mochawesome-reporter": "5.2.0"
  }
}
```

```
Terminal -> Local -> + -> git:(main)
```

```
~/Downloads/SIT725/Task 6.2D git:(main)
npm run test:report

> task-6.2D@1.0.0 test:report
> mocha test/**/*.js --reporter mochawesome

User Controller
  ✓ register function
  ✓ login function
  ✓ login function

User Model
  ✓ create user and save to database
  ✓ find user by email
  ✓ find user by password

6 passing (1ms)

[mochawesome] Report JSON saved to C:\Users\lixi\Downloads\SIT725\Task 6.2D\mochawesome-report\mochawesome.json
[mochawesome] Report HTML saved to C:\Users\lixi\Downloads\SIT725\Task 6.2D\mochawesome-report\mochawesome.html
~/Downloads/SIT725/Task 6.2D git:(main)
```

**Description:** The screenshot displays a successful test run of an MVC application with all six tests passing for both the User Controller and User Model components. The Mochawesome reporter has generated comprehensive JSON and HTML reports documenting the test results, confirming proper implementation of the application's core functionality.