

Repository

If you use GitHub: paste your repo URL here.
If you submit as ZIP: include this project folder + this PDF.
Repo must be public OR uploaded as a ZIP via Moodle.

How to run

- 1) npm install
- 2) npm start
 Server: http://localhost:3000
- 3) Test with Postman:
 GET http://localhost:3000/api/hex-to-rgb/ff00aa

API routes

GET /api/hex-to-rgb/:hex
POST /api/hex-to-rgb body: { "hex": "#RRGGBB" }

Testing

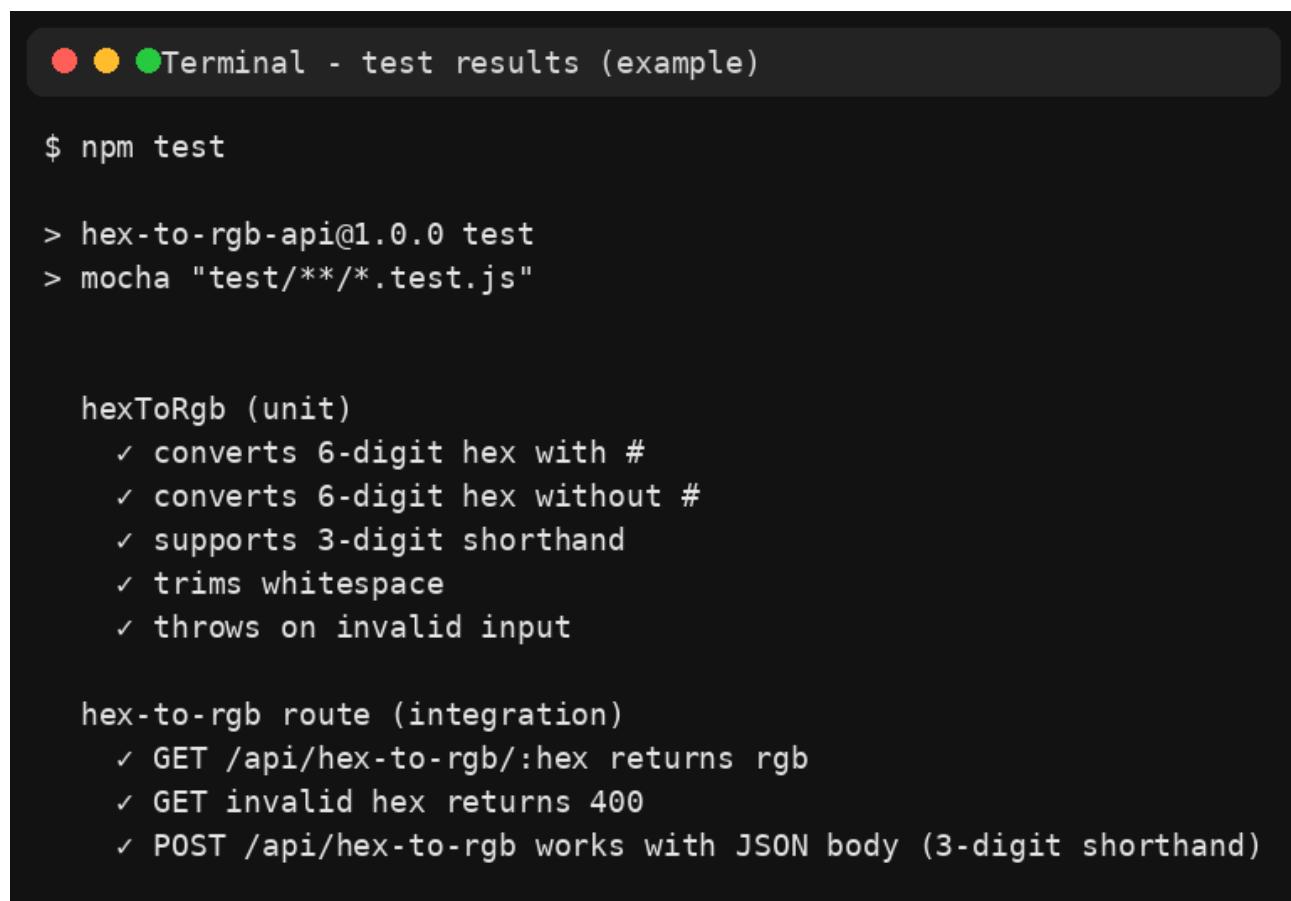
Unit tests: npm run test:unit
Integration tests: npm run test:integration
All tests: npm test

Test Results Screenshot

2026-02-14

Add a screenshot of YOUR real test run here (npm test).

Below is an example image generated as a placeholder.



A dark-themed terminal window titled "Terminal - test results (example)". The title bar features three colored dots (red, yellow, green) on the left. The terminal displays the command \$ npm test followed by the output of a mocha test run. The tests are grouped under two categories: hexToRgb (unit) and hex-to-rgb route (integration), each with a list of passing test cases marked with a checkmark.

```
$ npm test

> hex-to-rgb-api@1.0.0 test
> mocha "test/**/*.test.js"

hexToRgb (unit)
  ✓ converts 6-digit hex with #
  ✓ converts 6-digit hex without #
  ✓ supports 3-digit shorthand
  ✓ trims whitespace
  ✓ throws on invalid input

hex-to-rgb route (integration)
  ✓ GET /api/hex-to-rgb/:hex returns rgb
  ✓ GET invalid hex returns 400
  ✓ POST /api/hex-to-rgb works with JSON body (3-digit shorthand)
```

Postman Screenshot

2026-02-14

Paste a Postman (or other REST client) screenshot here, showing a successful request.

Tip: GET /api/hex-to-rgb/ff00aa

Drop Postman screenshot here before submitting