

Node.js/Express Learning Objectives



At the end of each week, each student should be able to demonstrate that their assignment has met the following criteria.

Lesson Name	Students will be able to...
Lesson 1: Node Introduction	Complete a git fork of their starter repository and create several small programs
Lesson 2: NPM and Async Patterns	Create additional small programs using async/await, event processing, and streams
Lesson 3: Introduction to Express	Bring up an Express web server; serve a static file
Lesson 4: Middleware, REST Methods, and Postman	Test REST Methods using Postman, create a front end for the sample application
Lesson 5: Task Manager API Part 1	Access MongoDB; use an async wrapper to catch errors; use the Mongoose package to facilitate the creation of an apparent schema.
Lesson 6: Task Manager API Part 2	Create custom error handling using error handling middleware.
Lesson 7: Using Query Parameters	Parse the query parameters on a REST get request and filter the result based on those parameters.
Lesson 8: IWT Basics	Use JSON Web Tokens as an authentication method.
Lesson 9: Jobs API Part 1	Register users in a MongoDB database; practice authenticating users for job postings.
Lesson 10: Jobs API Part 2	Add CRUD processing, error processing, and security packages to the Jobs API; deploy the application.
Lesson 11: A Front End for the Jobs API	Build a simple front end for the Jobs API.
Lesson 12: Server Side Rendering with EJS	Introduce server side rendering with EJS as the templating language.
Lesson 13: Authentication with Passport	Complete additional server side rendering with a log-on; use the Passport package in authentication.
Lesson 14: Testing with Mocha and Chai	Introduce automated testing through the Mocha and Chai packages.
Final Project Rubric*	

*Rubric for Baboon course. Check the course website or GitHub page to see the most up-to-date grading rubric.