

Summary



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CODE WHISPERER

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Summary Roadmap



High Level Concepts Review

Challenge Tasks

Next Steps



High Level Concepts Review



Full stack app = Client app + Server

Goals: Security, data persistence

React and Redux are used to create a fast and maintainable client

Express and Node are used to create a expressive server for REST requests

Authentication, accomplished with React forms and private Node functions, provides each user with own experience

Deployment of Node-based full stack applications easily accomplished with PAAS



Challenge Tasks



Optional, entertaining

**Reinforce ideas
taught in this course**

Complete at own pace

**Solutions available
on GitHub:**

**[github.com/danielstern/
express-react-fullstack](https://github.com/danielstern/express-react-fullstack)**

Challenge Tasks

Complete these assignments to increase your skill and knowledge



Challenge Task #1

Difficulty: Easy

Connected Username Component

A connected React component which takes a single prop, “id”

Component displays the name of the user with the corresponding ID

Can fetch the information during user state assembly (easy) or in real time (hard)



Challenge Task #2

Difficulty: Medium

Add Comments

A separate collection of messages that users have attached to tasks

Properties:

- Who created it
- Its contents
- Which task it applies to

Required:

- Comment creation saga
- Comment reducer
- Comment creation route



Challenge Task #3

Difficulty: Medium

Sign Up Page

A route accessible through a link on the Login Page:

- Don't Have An Account? Sign Up!

Contains a form which creates a new user on the server

- User creation saga
- User creation route `user/new`



Challenge Task #4

Difficulty: Hard

Secure the Application

Logic, which is added to Express, preventing users without the right credentials from accessing data

Update Express routes:

- Auth token will be required
- Token will be checked against permission tables to determine if request is valid
- Routes will return a “403 Forbidden” response on invalid credentials



Next Steps



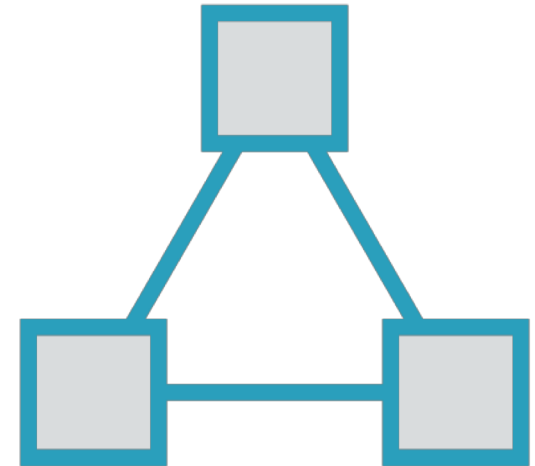
Next Steps



Increase
understanding of web
security



Improve knowledge of
React components



Master Redux-based
state management



Thank You!

