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Overview

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Grades

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Messages

Course Info

Week 3

Server-side Development with NodeJS, Express and MongoDB

Week 3

Discuss this week's modules here. 1220 threads · Last post 4 days ago

Go to forum

Halt! Who goes there?



Jogesh K. Muppala

This module is dedicated to user authentication. We first develop a full-fledged REST API server with Express, Mongo and Mongoose. Thereafter we examine basic authentication and session-based authentication briefly. We then develop token-based authentication with the support of JSON web tokens and the Passport module.

Learning Objectives

- Demonstrate the need for user authentication
 Evaluate various alternative approaches for supporting user authentication
 Develop a comprehensive user authentication system using Passport

Basic Authentication

- Reading: Basic Authentication: Objectives and Outcomes 10 min
- ▶ Video: Basic Authentication 13 min

- ▶ Video: Exercise (Video): Basic Authentication 22 min
- Reading: Exercise (Instructions): Basic Authentication 10 min
- Reading: Basic Authentication: Additional Resources 10 min

Cookies, Tea and err ... Express Sessions

- (III) Reading: Cookies, Tea and err ... Express Sessions: Objectives and Outcomes 10 min
- ▶ Video: Cookies, Tea and err ... Express Sessions 17 min
- ▶ Video: Exercise (Video): Using Cookies 15 min
- Reading: Exercise (Instructions): Using Cookies 10 min
- ▶ Video: Exercise (Video): Express Sessions Part 1 11 min
- Reading: Exercise (Instructions): Express Sessions Part 1 10 min
- **▶ Video:** Exercise (Video): Express Sessions Part 2 39 min
- Reading: Exercise (Instructions): Express Sessions Part 2 10 min
- Reading: Cookies, Tea and err . . . Express Sessions: Additional Resources 10 min

User Authentication with Passport

- (III) Reading: User Authentication with Passport: Objectives and Outcomes 10 min
- ▶ Video: Passport 9 min
- ▶ Video: Exercise (Video): User Authentication with Passport 25 min
- Reading: Exercise (Instructions): User Authentication with Passport 10 min
- ▶ Video: Token Based Authentication 14 min
- Video: Exercise (Video): User Authentication with Passport and JSON Web Token 47 min
- @ Reading: Exercise (Instructions): User Authentication with Passport and JSON Web Token 10 min
- Reading: User Authentication with Passport: Additional Resources 10 min

Mongoose Population

(III) Reading: Mongoose Population: Objectives and Outcomes 10 min
● Video: Mongoose Population 12 min
▶ Video: Exercise (Video): Mongoose Population 32 min
(Instructions): Mongoose Population 10 min
(III) Reading: Mongoose Population: Additional Resources 10 min
Assignment 3: User Authentication • Video: Assignment 3 Requirements (Video): User Authentication 22 min
Video: Assignment 3 Requirements (Video): User Authentication 23 min