Overview

Week 1

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Course Info

Week 4

Front-End Web UI Frameworks and Tools: Bootstrap 4

Week 4
Discuss this week's modules here.

4338 threads · Last post 3 hours ago

Go to forum

Web Tools

Jogesh K. Muppala

This module rounds out our discussions on Bootstrap JavaScript components. Then we discuss CSS preprocessors, Less and Sass. Finally, we discuss building and deployment of our Web projects through task automation using NPM scripts, and task runners like Grunt and Gulp. The final assignment of this course needs to be completed at the end of this module.

∧ Less

Learning Objectives

- Write Bootstrap JS component controls using jQuery and JavaScript
- Develop CSS code using preprocessors like Less and Sass
- Develop task automation using NPM Scripts
- Formulate task automation using Task runners like Grunt and Gulp

∧ Less

Bootstrap and JQuery

⏸ **Reading:** Bootstrap and JQuery: Objectives and Outcomes 10 min

▶ **Video:** Bootstrap and JQuery 16 min   Resume

▶ **Video:** Exercise (Video): Bootstrap and JQuery 10 min

⏸ **Reading:** Exercise (Instructions): Bootstrap and JQuery 10 min

▶ **Video:** Exercise (Video): More Bootstrap and JQuery 11 min

⏸ **Reading:** Exercise (Instructions): More Bootstrap and JQuery 10 min

⏸ **Reading:** Bootstrap and JQuery: Additional Resources 10 min

Less is More!: Less and Sass

⏸ **Reading:** CSS Preprocessors: Objectives and Outcomes 10 min

▶ **Video:** CSS Preprocessors: Less and Sass 10 min

▶ **Video:** Exercise (Video): Less 8 min

⏸ **Reading:** Exercise (Instructions): Less 10 min

▶ **Video:** Exercise (Video): Scss 8 min

⏸ **Reading:** Exercise (Instructions): Scss 10 min

⏸ **Reading:** CSS Preprocessors: Additional Resources 10 min

Assignment 4

▶ **Video:** Assignment 4: Bootstrap, JQuery and Sass 4 min

⏸ **Peer-graded Assignment:** Assignment 4: Bootstrap, JQuery and Sass 1h   Due Sep 20, 1:59 AM CDT

⏸ **Review Your Peers:** Assignment 4: Bootstrap, JQuery and Sass   Due Sep 23, 1:59 AM CDT

⏸ **Reading:** Assignment 4: Additional Resources 10 min

Building and Deployment: NPM Scripts

⏸ **Reading:** Building and Deployment: Objectives and Outcomes 10 min

▶ **Video:** Building and Deployment 10 min

▶ **Video:** NPM Scripts 4 min

Video: Exercise (Video): NPM Scripts Part 1 12 min

Reading: Exercise (Instructions): NPM Scripts Part 1 10 min

Video: Exercise (Video): NPM Scripts Part 2 28 min

Reading: Exercise (Instructions): NPM Scripts Part 2 10 min

Reading: Building and Deployment: NPM Scripts: Additional Resources 10 min

Building and Deployment: Task Runners: Grunt and Gulp

Reading: Building and Deployment: Task Runners 10 min

Video: Task Runners 4 min

Video: Exercise (Video): Grunt Part 1 19 min

Reading: Exercise (Instructions): Grunt Part 1 10 min

Video: Exercise (Video): Grunt Part 2 30 min

Reading: Exercise (Instructions): Grunt Part 2 10 min

Video: Exercise (Video): Gulp Part 1 16 min

Reading: Exercise (Instructions): Gulp Part 1 10 min

Video: Exercise (Video): Gulp Part 2 20 min

Reading: Exercise (Instructions): Gulp Part 2 10 min

Reading: Building and Deployment: Task Runners: Additional Resources 10 min

Conclusions

Video: Front-End Web UI Frameworks: Bootstrap 4: Conclusions 2 min

Reading: Front-End Web UI Frameworks and Tools: Bootstrap 4: Conclusions 10 min

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🏅 **Optional Honors Content** ⓘ

Project Implementation and Final Report

Reading: Project Implementation: Objectives and Outcomes 10 min

Reading: Final Report Template 10 min

Honors Peer-graded Assignment: Project Implementation and Final Report 1h   Due Sep 20, 1:59 AM CDT

Review Your Peers: Project Implementation and Final Report   Due Sep 23, 1:59 AM CDT