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Front-End Web UI Frameworks and Tools: Bootstrap 4

★★★★★ 4.8 6,919 ratings | 98%

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About this Course

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This course will give you an overview of client-side web UI frameworks, in particular Bootstrap 4. You will learn about grids and responsive design, Bootstrap CSS and JavaScript components. You will learn about CSS preprocessors, Less and Sass. You will also learn the basics of Node.js and NPM and task runners like Grunt and Gulp.

At the end of this course, you will be able to a) Set up, design and style a web page using Bootstrap 4 and its components, b) Create a responsive [SHOW ALL](#)

This course is part of multiple programs

This course can be applied to multiple Specializations or Professional Certificates programs. Completing this course will count towards your learning in any of the following programs:

- [Full Stack Web Development with Angular Specialization](#)
- [Full-Stack Web Development with React Specialization](#)

SKILLS YOU WILL GAIN

[Bootstrap \(Front-End Framework\)](#) [Node.js](#) [jQuery](#) [SASS \(Stylesheet Language\)](#)

Learner Career Outcomes



18%

started a new career after completing these courses



26%

got a tangible career benefit from this course



Flexible deadlines

Reset deadlines in accordance to your schedule.



Shareable Certificate

Earn a Certificate upon completion



100% online

Start instantly and learn at your own schedule.



Intermediate Level



Approx. 31 hours to complete



English

Subtitles: Arabic, French, Portuguese (European), Italian, Vietnamese, German, Russian, English, Spanish

Instructor

Instructor rating 4.81/5 (1,715 Ratings)

**Jogesh K. Muppala**

Associate Professor

Department of Computer Science and Engineering

495,176 Learners

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Syllabus - What you will learn from this course

Content Rating 98% (46,927 ratings) [\(i\)](#)

WEEK

9 hours to complete

1

Front-end Web UI Frameworks Overview: Bootstrap

This module gives you a quick introduction to full-stack web development and the outline of the course. Then you will learn the basics of Bootstrap, setting up a web project using Bootstrap. You will learn about responsive design and the Bootstrap grid system. At the end of this module, you need to complete your first assignment.



17 videos (Total 194 min), 22 readings, 2 quizzes [SEE ALL](#)

WEEK

8 hours to complete

2

Bootstrap CSS Components

This module concentrates on Bootstrap's components that are designed using pure CSS classes. You will learn about Navigation and Navigation bar. Then, you will learn about buttons, forms, tables, cards, images and media, tags, alerts and progress bars. At the end of this module you need to complete your second assignment.



14 videos (Total 146 min), 21 readings, 2 quizzes [SEE LESS](#)

14 videos

Navigation and Navigation Bar 9m

Exercise (Video): Navbar and Breadcrumbs 30m

Icon Fonts 4m

Exercise (Video): Icon Fonts 12m

User Input 4m

Exercise (Video): Buttons 9m

Exercise (Video): Forms 22m

Bootstrap Tables and Cards 4m

Exercise (Video): Displaying Content: Tables and Cards 18m

Images and Media 5m

Exercise (Video): Images and Media 11m

Alerting Users 6m

Exercise (Video): Alerting Users 2m

Assignment 2: Bootstrap CSS Components 4m

21 readings

Navigation and Navigation Bar: Objectives and Outcomes 10m

Exercise (Instructions): Navbar and Breadcrumbs 10m

Exercise (Instructions): Icon Fonts 10m

Navigation and Navigation Bar: Additional Resources 10m

User Input: Buttons and Forms: Objectives and Outcomes 10m

Exercise (Instructions): Buttons 10m

Exercise (Instructions): Forms 10m

User Input: Additional Resources 10m

Displaying Content: Tables and Cards: Objectives and Outcomes 10m

Exercise (Instructions): Displaying Content: Tables and Cards 10m

Displaying Content: Additional Resources 10m

Images and Media: Objectives and Outcomes 10m

Exercise (Instructions): Images and Media 10m

Images and Media: Additional Resources 10m

Alerting Users: Objectives and Outcomes 10m

Exercise (Instructions): Alerting Users 10m

Alerting Users: Additional Resources 10m

Assignment 2: Resources 10m

UI Design and Prototyping: Objectives and Outcomes 10m

UI Design and Prototyping Report Template 10m

UI Design and Prototyping: Additional Resources 10m

WEEK

5 hours to complete

Bootstrap Javascript Components

This module concentrates on Bootstrap's JavaScript based components. You will learn about tabs, pills and tabbed navigation, collapse, accordion, scrollspy, affix, tooltips, popovers, modals and the carousel. At the end of this module you need to complete the third assignment.



10 videos (Total 77 min), 15 readings, 1 quiz [SEE LESS](#)

10 videos

Bootstrap JavaScript Components 8m

Tabs, PIs and Tabbed Navigation 3m

Exercise (Video): Tabs 11m

Collapse and Accordion 5m

Exercise (Video): Accordion 8m

Tooltips, Popovers and Modals 5m

Exercise (Video): Tooltips and Modals 15m

Carousel 1m

Exercise (Video): Carousel 14m

Assignment 3: Bootstrap JavaScript Components 3m

15 readings

Bootstrap JavaScript Components: Objectives and Outcomes 10m

Bootstrap JavaScript Components: Additional Resources 10m

Tabs and Tabbed Navigation: Objectives and Outcomes 10m

Exercise (Instructions): Tabs 10m

Tabs and Tabbed Navigation: Additional Resources 10m

Hide and Seek: Objectives and Outcomes 10m

Exercise (Instructions): Accordion 10m

Hide and Seek: Additional Resources 10m

Revealing Content: Objectives and Outcomes 10m

Exercise (Instructions): Tooltips and Modals 10m

Revealing Content: Additional Resources 10m

Carousel: Objectives and Outcomes 10m

Exercise (Instructions): Carousel 10m

Carousel: Additional Resources 10m

Assignment 3: Resources 10m

WEEK

9 hours to complete

4

Web Tools

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.



17 videos

Bootstrap and JQuery 16m

Exercise (Video): Bootstrap and JQuery 10m

Exercise (Video): More Bootstrap and JQuery 11m

CSS Preprocessors: Less and Sass 10m

Exercise (Video): Less 8m

Exercise (Video): Scss 8m

Assignment 4: Bootstrap, JQuery and Sass 4m

Building and Deployment 10m

NPM Scripts 4m

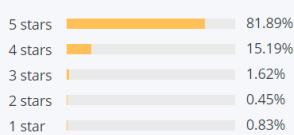
Exercise (Video): NPM Scripts Part 1 12m
Exercise (Video): NPM Scripts Part 2 28m
Task Runners 4m
Exercise (Video): Grunt Part 1 19m
Exercise (Video): Grunt Part 2 30m
Exercise (Video): Gulp Part 1 16m
Exercise (Video): Gulp Part 2 20m
Front-End Web UI Frameworks: Bootstrap 4: Conclusions 2m

 22 readings

Bootstrap and JQuery: Objectives and Outcomes 10m
Exercise (Instructions): Bootstrap and JQuery 10m
Exercise (Instructions): More Bootstrap and JQuery 10m
Bootstrap and JQuery: Additional Resources 10m
CSS Preprocessors: Objectives and Outcomes 10m
Exercise (Instructions): Less 10m
Exercise (Instructions): Scss 10m
CSS Preprocessors: Additional Resources 10m
Assignment 4: Additional Resources 10m
Building and Deployment: Objectives and Outcomes 10m
Exercise (Instructions): NPM Scripts Part 1 10m
Exercise (Instructions): NPM Scripts Part 2 10m
Building and Deployment: NPM Scripts: Additional Resources 10m
Building and Deployment: Task Runners 10m
Exercise (Instructions): Grunt Part 1 10m
Exercise (Instructions): Grunt Part 2 10m
Exercise (Instructions): Gulp Part 1 10m
Exercise (Instructions): Gulp Part 2 10m
Building and Deployment: Task Runners: Additional Resources 10m
Front-End Web UI Frameworks and Tools: Bootstrap 4: Conclusions 10m
Project Implementation: Objectives and Outcomes 10m
Final Report Template 10m

Reviews

4.8 
2087 reviews



TOP REVIEWS FROM FRONT-END WEB UI FRAMEWORKS AND TOOLS: BOOTSTRAP 4



by AS Apr 5, 2020

This is course is amazing given ou already know some html, css and javascript. People say Bootstrap is easy but after this course I realized many wrong things I have been doing. Recommend it for sure!



by DG Oct 11, 2018

Excellent course for anyone who is familiar with html, css, but cannot organise the subject in their mind. This course excellently teaches you the what is what, and how to do things in the correct way



by AA Dec 20, 2019

Excellent course for anyone who is familiar with html, css, but cannot organise the subject in their mind. This course excellently teaches you what is what, and how to do things in the correct way



by HP Jun 29, 2020

The lecturer is very clear on every step of the learning process, is super responsive on the discussion forums, and everything he does, he explains well before doing it. Highly recommend this course.

[View all reviews](#)

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