



Welcome to Front-End Web UI Frameworks and Tools: Bootstrap 4

Full Stack Web Development: The Big Picture

✓ **Reading:** Full Stack Web Development: The Big Picture: Objectives and Outcomes
10 min

✓ **Video:** What is Full-Stack Web Development?
5 min

✓ **Reading:** Full Stack Web Development: Additional Resources
10 min

Setting up your Development Environment: Git and Node

Introduction to Bootstrap

Responsive Design and Bootstrap Grid System

Assignment 1

Ideation



Setting up your Development Environment

Software Requirements

1. **Text editor of your choice:** Any text editor that you are already familiar with can be used for editing the project files. I will be using Visual Studio Code (<https://code.visualstudio.com/>) as the editor of choice in this specialization. You may also consider other editors such as Brackets (<http://brackets.io/>), Sublime Text (<http://www.sublimetext.com/>), or Atom (<https://atom.io/>).
2. **Browser of your choice:** You may use your preferred browser. I will be using Chrome as the browser in all the exercises. All the exercises and assignments in this course have been tested using Chrome v. 46. Please note that not all browsers may support all the HTML5 features to the same extent. You might encounter problems when using other browsers. I strongly urge you to use the latest Chrome browser for the exercises and assignments in this course so that any problems are minimized.
3. **Command line shell:** Familiarity with the command-line shell will be essential for the exercises. In Windows a cmd window or power shell with admin privileges would be needed. On a Mac or in Linux, a terminal window can be used. Please get familiar with the "sudo" command in OS X and Linux.
4. **Files required for the exercises:** We will provide additional starter files for the exercises wherever needed. Links to download the files will be provided inline in the **exercise instructions** that follow each