

Assignment 01

(6% of total grade)

Read this entire homework description once through before proceeding.

Required Reading

- What is Bootstrap? A Short Bootstrap Tutorial on the What, Why, and How
 - <http://www.toptal.com/front-end/what-is-bootstrap-a-short-tutorial-on-the-what-why-and-how>
- Lynda.com: Bootstrap 3 Essential Training with Ray Villalobos
 - <http://www.lynda.com/Bootstrap-tutorials/Bootstrap-3-Essential-Training/417641-2.html>
- Bootstrap "Getting Started"
 - <http://getbootstrap.com/getting-started/>
- Bootstrap "CSS"
 - <http://getbootstrap.com/css/>
- Bootstrap "Components"
 - <http://getbootstrap.com/components/>

Task

Using only Bootstrap, build a web application interface that looks like the "Week" view in Google Calendar. Also, record a screencast video up to five minutes long to demo the calendar and the code that goes along with it. Show the layout of the calendar and components and then show the Bootstrap code used to create each part.

(See the attached image of Google Calendar, as a reference of what your web page should look like)

Your interface needs to simply look and appear to function as the Google calendar interface, but does not need to implement any actual functionality (besides dropdowns, etc.).

In particular you should focus on building the following interface features:

- The navigation bar
- The dropdown under “More” on the navigation bar
- The search bar and button
- The text on the right indicating who you are
- The button for sharing (though it doesn’t need to do anything)
- The “Today” button, arrows to change weeks, and text for the week displayed
- The buttons to change to other views (e.g. day/week/month)
- The dropdowns for “More”, and for “Settings” (the gear icon)
- The grid of days and times
- The dropdown button for “Create”

Dropdowns you should create for this assignment:

Extra credit for:

- The mini-month-calendar AND the “My calendars” and “Other calendars”

Restrictions

This assignment is to be completed individually. Work should not be shared with others. Complete the assignment using only Bootstrap components. DO NOT use tables for the grid--instead, use the Bootstrap grid system.

Making an exact replica is not required (e.g. exact spacing, colors), but the ordering and general interface groupings should be similar. If you wish to experiment with colors, do this as minimally as possible, such that only CSS is used to change the look of Bootstrap components.

In the video, you must:

- Say who you are in the video, and mention briefly what you’re about to show :-)
- For each component/section, show the layout on the webpage and then show and describe the code used to create that particular item.

It is highly recommend you use one of the following free software:

- Screencast-O-Matic - <http://www.screencast-o-matic.com/>
- Jing - <http://www.techsmith.com/jing.html>

The screen is all that needs to be captured visually, no camera view is required. The demo should have your voice as the audio. It does not have to be a perfect video, nor require editing.

Grading

- 6% of total grade
- grade will be reduced by 50% for any assignment submitted without a video
- grade will be reduced by 50% for workspace not shared correctly
- grade will be reduced by 25% for not properly submitting work.
- +15% extra credit
 - You are able to use only Bootstrap components to build:
 - an expandable area that shows checkboxes within for each calendar, as shown in Google calendar, each for “My Calendars” and “Other Calendars”
 - a mini calendar

Handing in Your Work

- Upload your video to YouTube as “unlisted”. (You may make it public if you wish, but this is NOT required. It cannot be set to “private”.)
- Then submit the link to your video into the Sakai project text box.
- Also, please provide the URL to your Cloud 9 workspace (IDE) and the public URL to your working webpage (running site).
 - Note: DO NOT make changes to your assignment after the deadline. If you want to continue experimenting, I recommend making a copy of your assignment in a different folder.

Additional resources for assignment

-  [assignment1.png](#) (148 KB; Jan 18, 2017 6:24 pm)