**# 05 Third-Party APIs: Work Day Scheduler**

Create a simple calendar application that allows the user to save events for each hour of the day. This app will run in the browser and feature dynamically updated HTML and CSS powered by jQuery.

You'll need to use the [Moment.js](https://momentjs.com/) library to work with date and time.

Be sure to read the documentation carefully and concentrate on using Moment.js in the browser.

**## User Story**

```

AS AN employee with a busy schedule

I WANT to add important events to a daily planner

SO THAT I can manage my time effectively

```

**## Acceptance Criteria**

```

GIVEN I am using a daily planner to create a schedule

WHEN I open the planner

THEN the current day is displayed at the top of the calendar

WHEN I scroll down

THEN I am presented with timeblocks for standard business hours

WHEN I view the timeblocks for that day

THEN each timeblock is color coded to indicate whether it is in the past, present, or future

WHEN I click into a timeblock

THEN I can enter an event

WHEN I click the save button for that timeblock

THEN the text for that event is saved in local storage

WHEN I refresh the page

THEN the saved events persist

**## PSEUDO CODE**

1. Create a container (div) in HTML for the day planner and sub containers (divs inside container div) for each hour block (9AM – 5PM = 9 blocks**)- Paint the blocks**
2. Use Moment to drive JS statement to switch CSS by element to indicate past (gray), present (red) or future (green). **Set the box CSS background color property as a variable driven by Moment**
3. Time blocks are text boxes (**ID’s**) that take input and write to an object that keeps track of time and event text associated with that time when the save button is pressed – 9 dimensional object).
4. Keeping in Local Storage makes the object available to be read even after a page refresh

```

The following animation demonstrates the application functionality:

![day planner demo](./Assets/05-third-party-apis-homework-demo.gif)

**## Review**

You are required to submit the following for review:

\* The URL of the deployed application.

\* The URL of the GitHub repository. Give the repository a unique name and include a README describing the project.

- - -

© 2019 Trilogy Education Services, a 2U, Inc. brand. All Rights Reserved.