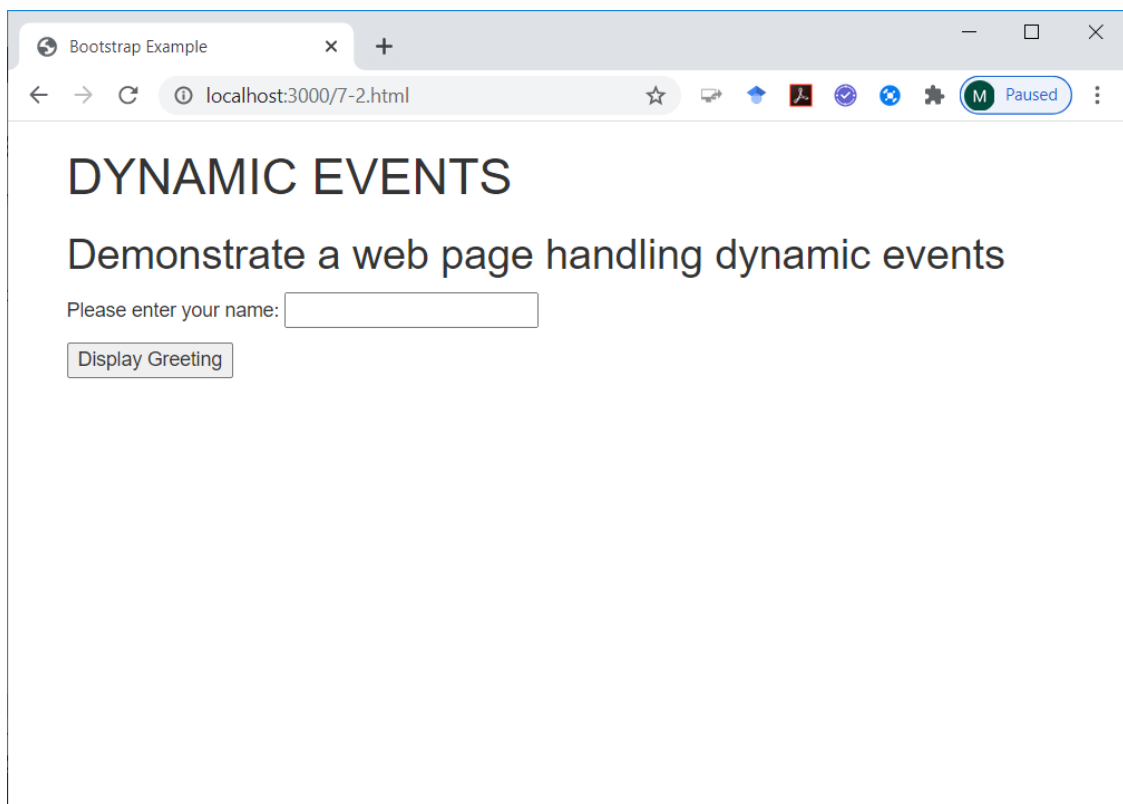


7.2P: Event Handler and Dynamic Page

Tasks

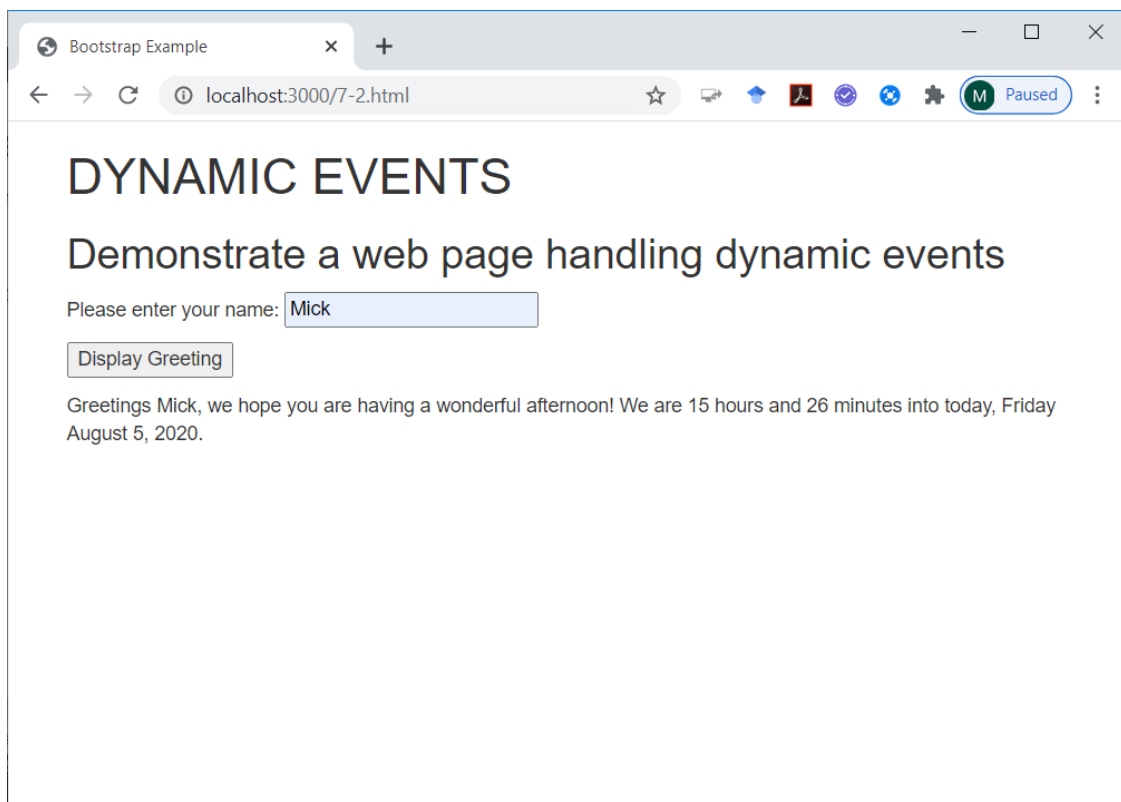
You are required to complete the following tasks using *JavaScript*:

1. Prompt the user to enter their name into a text box (e.g., *Michael*).



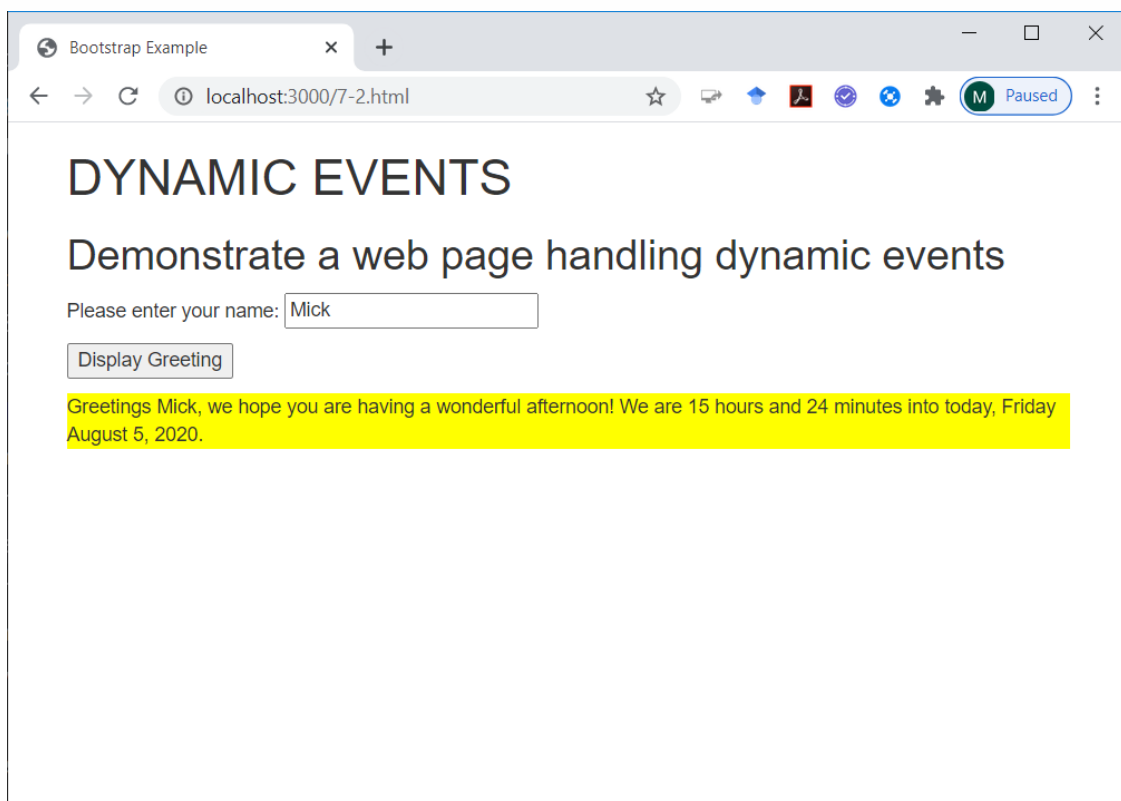
Task7.2.1 Initial Webpage Welcome and Prompt

2. Include a `Button` object that when clicked modifies the content of the page to display an appropriate greeting message.
 - The **current time of day** should be used to *personalise* the message, for example, *Good Morning*, *Good Day*, *Good Afternoon*, or *Good Evening*) along with the input name (e.g., "Good Morning Mick") based on the hour of the day.
 - Also include the time and date, showing the number of hours and minutes into the day, along with the day of the week, date, month and year; as shown below.



Task7.2.1 Welcome, time and date

3. Implement the `onmouseover` event handler for the *welcome message paragraph* to change the style of the welcome paragraph (background colour to `yellow`).



Task7.2.3 Mouseover event

4. Implement `onmouseout` effects to change the style of a paragraph back to its original background colour.

Hints

- Review the various methods/functions available to work with *JavaScript Date Objects*:
 - https://www.w3schools.com/js/js_dates.asp
 - https://www.w3schools.com/js/js_date_methods.asp
- Review the various methods/functions available to work with *JavaScript Events*:
 - https://www.w3schools.com/js/js_events.asp
- The greeting message depends on the following conditions (noting the hour returned is in the range 0-23):

```
"Good Morning", if time < 11  
"Good Day", if 11 <= time < 14  
"Good Afternoon", if 14 <= time < 18  
"Good Evening", if time >= 18
```

What will you submit?

You should submit:

- `HTML` file with `JavaScript` code.
- Screen-shot of the web page showing the output for Step 1.
- Screen-shot of the web page showing the output for Step 2.
- Screen-shot of the web page showing the output for Step 3.
- Screen-shot of the web page showing the output for Step 4.