*Figure 9–42* shows a preview of a page containing an analog clock with moving second, minute, and hour hands.

[](https://cdn.filestackcontent.com/C1JVL5W3RXWtlX550fkl)*Figure 9-42*

Open the files code9-3.html and clockface9-3.js and in the comment section enter your **name** (First + Last) and the **date** (MM/DD/YYYY) into the Author: and Date: fields of each file.

Go to the code9-3.html file and within the head section insert a script element connecting the page to the clockface9-3.js file. Add the defer attribute to the script element.

Open the *clockface9-3.js* file and below the initial comment section insert the moveHands() function that moves the three hands of the analog clock. Add the following to the function:

1. Create a variable named nowTime that contains the current date and time.
2. Create the nowSeconds, nowMinutes, and nowHours variables containing the seconds, minutes, and hours values from the nowTime variable.
3. Calculate the angle that the second hand makes on the clock face by multiplying the nowSeconds value by **6**. Store the result in the secondsAngle variable.
4. Determine the angle that the minute hand makes on the clock face by calculating the following expression: (nowMinutes + nowSeconds/60)\*6. Store the calculated value in the minutesAngle variable.
5. Determine the angle that the hour hand makes on the clock face by calculating the following expression: (nowHours + nowSeconds/3600 + nowMinutes/60)\*30. Store the calculated value in the hoursAngle variable.
6. Call the rotateHand() function using secondsAngle and **seconds** as the argument value to rotate the image of the second hand. Call the rotateHand() function again using the minutesAngle and **minutes** as the argument values. Call the rotateHand() function one last time using the hoursAngle and **hours** as the argument values.

The setInterval function should follow the format specified in the function's documentation: setInterval(function, milliseconds). The function argument should not be passed as a string.