**(5) Displaying the Motion Sensor Data**

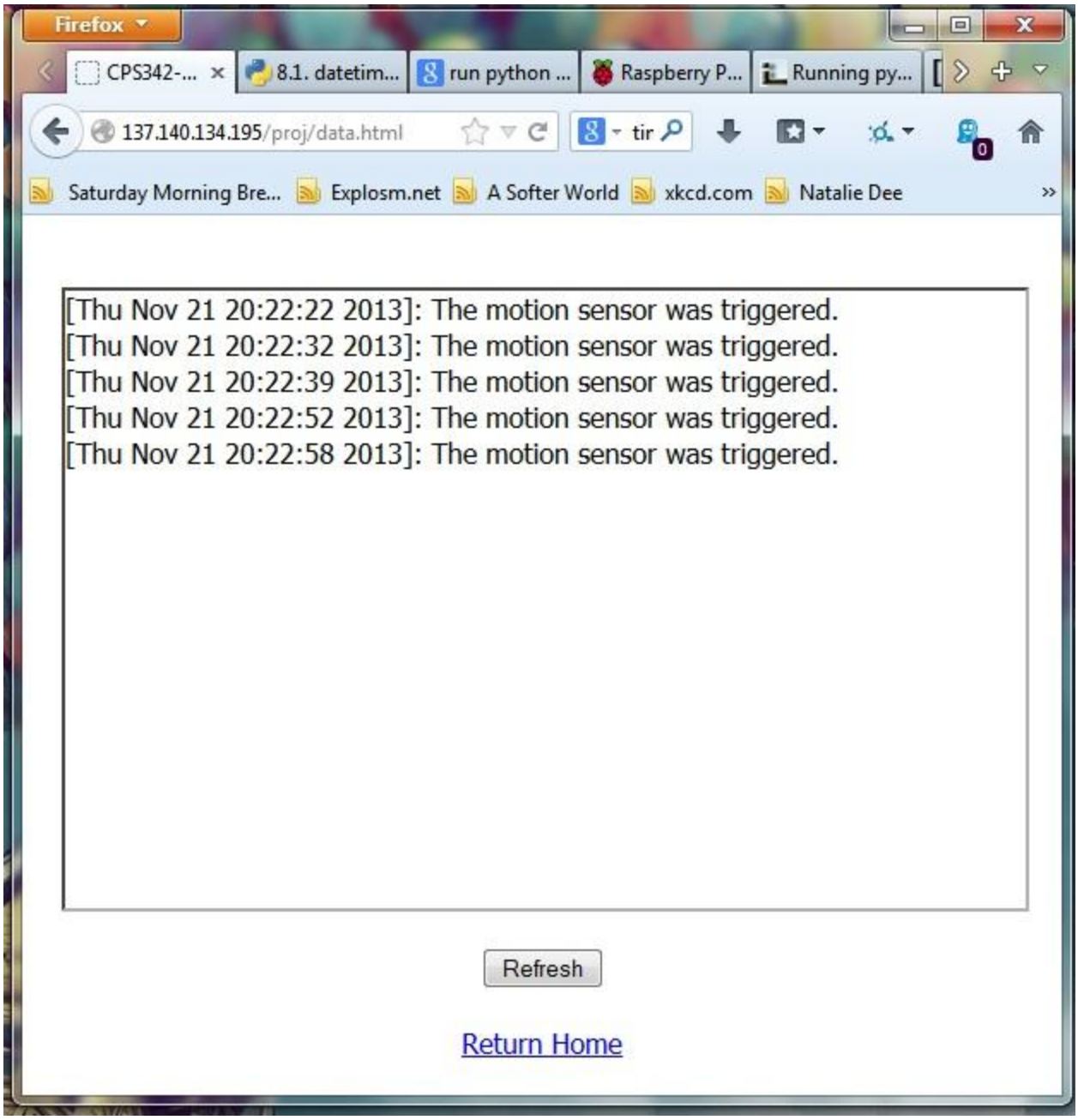
The next step was simple now. I needed two different webpages, one which would just display the information in the database in human-readable form, and one page to embed that one in a fram with a button to refresh the page. I looked online for some HTML help, notably w3schools.org, and produced this code:

```
        <html>
        <head>
        <title>CPS342-Embedded Linux Project Page</title>
        <style>
            body {
                width: 35em;
                margin: 0 auto;
                font-family: Tahoma, Verdana, Arial, sans-serif;
            }
        </style>
        </head>

        <body>
        <br>
        <br>
        <iframe src="/proj/sensordat.php" width=560px height=360px
name="data"i>
          <p>Your browser does not support iframes.</p>
        </iframe>
        <br>
        <br>
        <div align="center">
        <input type="button" value="Refresh"
onclick="data.location.href='/proj/sensordat.php'">
        <br>
        <br>
        <a href="/index.html">Return Home</a>
        <br>
        </div>


        </body>
        </html>
```

This produced this webpage:




Now that the project functions as it has to, there are a few things I could do to improve the project.

- Use CSS/HTML/JavaScript to make the webpage look better.
- More efficient Python programming / Database handling. I may want to have the RPi.GPIO actions be written into a file, and when the Refreh button is clicked it will add that to the database and display it on the other page. I could also add a Clear button on that page to clear the database.