

Current functionality includes step detection (or button press) adding an additional value to a CSV located on the MyWeb server. To accomplish this, Java based Android code was combined with a series of PHP files similar to that developed for use with lab 10.

#### InitVal.php

```
1 <html>
2 <head>
3   <title>Write a passed in value to a file</title>
4 </head>
5 <body>
6 <?php
7   $wrVal=$_GET["wrVal"]; // get the value passed into this HTTP GET request
8   printf("<p> Write Value %f that is being passed in to a file </p>", $wrVal);
9   // Set the filepath and filename of file on the server to save the data in
10  $filePath = "C:\WINDOWS\Temp\ProjectBennett.tmp"; // Fixed path on myweb.wit.edu server
11
12  // Write a value to the file
13  $openFile = fopen($filePath, 'w+') or die("Can't open file.");
14
15  $newContents = (int) $wrVal;
16  fwrite($openFile, $newContents);
17  fclose($openFile);
18
19  printf("<p> Wrote %d bytes to store %f in the file %s </p>", $bytesWrote, $wrVal, $filePath );
20 ?>
21 </body>
22 </html>
```

#### WriteVal.php

```
1 <html>
2 <head>
3   <title>Write a passed in value to a file</title>
4 </head>
5 <body>
6 <?php
7   $wrVal=$_GET["wrVal"]; // get the value passed into this HTTP GET request
8   printf("<p> Write Value %f that is being passed in to a file </p>", $wrVal);
9   // Set the filepath and filename of file on the server to save the data in
10  $filePath = "C:\WINDOWS\Temp\ProjectBennett.tmp"; // Fixed path on myweb.wit.edu server
11
12  // Write a value to the file
13  $openFile = fopen($filePath, 'a') or die("Can't open file.");
14
15  $newContents = ", " . $wrVal;
16
17  fwrite($openFile, $newContents);
18  fclose($openFile);
19
20  printf("<p> Wrote %d bytes to store %f in the file %s </p>", $bytesWrote, $wrVal, $filePath );
21 ?>
22 </body>
23 </html>
```

## ReadVal.php

```
1 <html>
2 <head>
3   <title>Read Value that had been stored in file</title>
4 </head>
5 <body>
6 <?php
7   // Use the same filepath as in the writeVal.php file
8   $filePath = "C:\WINDOWS\Temp\ProjectBennett.tmp";
9   $openFile = fopen($filePath, 'r');
10  $fileContents = fread($openFile, filesize($filePath));
11  fclose($openFile);
12
13  echo $fileContents
14
15  ?>
16
17 </body>
18 </html>
19 <html>
20 <head>
21   <title>Write a passed in value to a file</title>
22 </head>
23 <body>
```



0, 1513455801476, 1513455801484, 1513455801455, 1513455803944, 1513455804188, 1513455804381,  
1513455804571, 1513455804765, 1513455804947, 1513455805136, 1513455805347, 1513455805520,  
1513455805716, 1513455805928

## Android Java Code Excerpts

```
protected String s = "";
protected long time;

private SensorManager sensorManager;
boolean activityRunning;

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.sample_main);

    setListAdapter(mListAdapter);
    sensorManager = (SensorManager) getSystemService(Context.SENSOR_SERVICE);
    findViewById(R.id.recordtime_button).setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) { updateServer(); }
    });
}
```

```
protected void updateServer() {
    time = System.currentTimeMillis();
    new Thread() {
        @Override
        public void run() {
            try {
                String postURL = "http://myweb.wit.edu/bennetts4/ELEC3800/Project/writeVal.php?wrVal=" + time;
                URL url = new URL(postURL);
                URLConnection con = url.openConnection();
                HttpURLConnection http = (HttpURLConnection) con;
                http.setRequestMethod("POST");
                http.setDoOutput(true);

                HttpClient client = HttpClient.createDefault();
                HttpPost post = new HttpPost(postURL);
                client.execute(post);
            } catch (Exception e) {
                s = e.toString();
            }
        }
    }.start();
    Toast.makeText(context: MainActivity.this,
        text: "Time Recorded: " + time,
        Toast.LENGTH_SHORT).show();
    if (!s.isEmpty()) {
        Toast.makeText(context: MainActivity.this,
            text: "Exception: " + s,
            Toast.LENGTH_SHORT).show();
    }
}
```