

sdmay19-44: Circuit Drawing and Simulation App/Website

Week 8 Report

March 4th - March 10th

Client: Andrew Bolstad

Advisor: Andrew Bolstad

Team MembersLuke Maring — *Report Manager*Joe Veal — *Back end coder*Alex Sutton — *Scribe and Meeting Facilitator*Cassie Plata — *Front end coder*Keegan McCarthy — *Team Leader*Tyler Schurk — *Front end coder***Summary of Progress this Report**

This week we continued our progress of our website by working on: the HTML side and creating a scroll bar to display all components in a neat manner, the database and user authentication modeling, and the debugging of the wires.

Pending Issues

Our pending issues are basically everything we are currently working on, which will roll over into spring break.

Plans for Upcoming Reporting Period

Our plans for the next two weeks are to begin integrating all of the sides that we have been working on including, the HTML side, the database side, and the drawing space side of things.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Luke Maring	Continued updating of the basic website layout and the functionalities that go along with it. Created prototypes of using a drop down and a scroll wheel for the components selection.	8	30
Joe Veal	Reformatted database to a more appropriate format for our system. Allowed for code to take in data from the form and move it into the database. Removed unnecessary code from the views.py section	7	33
Alex Sutton	This week I have been experimenting more with models within Django. I decided to create one model, instead of three, in order	8	36

	<p>to simplify the code. This model still contains the username, password, and email Fields. I also began implementing a new function called <code>get_or_create</code> as well as logic within Views to solve the issue of not knowing what information is in the database, but I haven't had success. If I am not able to get this function working properly, I plan to research and implement new functions and logic.</p>		
Cassie Plata	Continued to implement wire drawing feature and work through bugs of p5.js working with the rest of the code. Using test spaces to test out specific features for the drawing aspect.	8.5	40
Keegan McCarthy	Worked with Luke to update the HTML/CSS prototype even more. Luke was able to get the functionality of a drop down working. I updated this to make sure all of the CSS styling line up with the rest of the website. I also researched with Tyler how to add the following features to the front end: grid/ rotation locking/ ID tracking of objects/ object location	7	32
Tyler Schurk	Finished working on storing the locations of the components, assuming no scaling / rotation. Modified the rotation of the objects such that they are locked at 90 degree increments. Worked on locking the locations of the components to a grid since this will help with the wiring tool.	11	43

Gitlab Activity Summary

Nothing to report.
