

# Perry's Parts Pavilion Access Center

## *Team Five: Grupo Fivo*

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**Live Site**

[http://lamp.eng.fau.edu/~CEN4010\\_S2018g05/](http://lamp.eng.fau.edu/~CEN4010_S2018g05/)



## Purpose

The purpose of Perry's Parts Pavilion Access Center was to aid in the organization and distribution of resources at the College of Engineering and Computer Science. It allows administrators to keep track of parts while allowing staff and students to submit orders quickly and easily. Thereby cutting down on time between supplier and consumer.



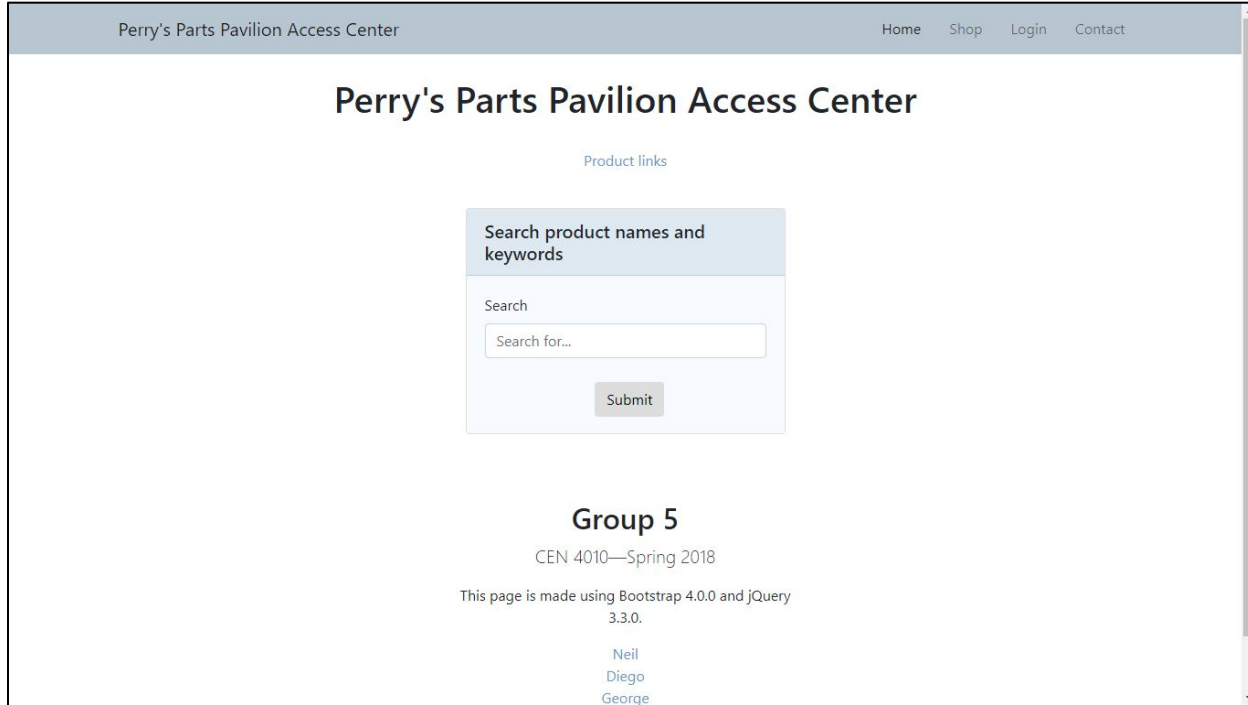
# Motivation

As engineering students we have all taken certain courses that require different electrical components. From capacitors and resistors to wires and LEDs. Inevitably faulty parts are handed out or some of these items are broken while working on certain labs. Currently the process of acquiring new parts is time-consuming and needlessly tedious. Our program seeks to alleviate that by cutting down time and increasing transparency.



# Functionality

Our site is hosted on FAU's LAMP server. We used HTML and CSS to design our website's frontend and PHP to handle the backend including interacting with our mySQL server.



The homepage of our website

Perry's Parts Pavilion Access Center			Home	Shop	Login	Contact
Product	Category	Link				
Cap 100000000pf 100 uF 50V Electrolytic	Capacitor	Cap 100000000pf 100 uF 50V Electrolytic				
Cap 100000000pf 100uF 107CKE035M @ 35V	Capacitor	Cap 100000000pf 100uF 107CKE035M @ 35V				
Cap 100000000pf 10uF 106RSS035M @ 35V	Capacitor	Cap 100000000pf 10uF 106RSS035M @ 35V				
5.1v Zener Diode, 500 mW, DO-204AH, 5 %	Diode	5.1v Zener Diode, 500 mW, DO-204AH, 5 %				
Diode: 1n4001...1n4007, 1amp	Diode	Diode: 1n4001...1n4007, 1amp				
Temperature Sensor, to92 -- see data sheet	Misc	Temperature Sensor, to92 -- see data sheet				
2n2222 or PN2222 NPN Transistor, TO-92	Misc	2n2222 or PN2222 NPN Transistor, TO-92				
1.0kOhm 5% MCF 0.25W	Resistors	1.0kOhm 5% MCF 0.25W				
10kOhm 5% MCF 0.25W	Resistors	10kOhm 5% MCF 0.25W				
330 Ohm 5% MCF 0.25W	Resistors	330 Ohm 5% MCF 0.25W				



List of items stored in mySQL database

Perry's Parts Pavilion Access Center

[Home](#)[Shop](#)[Login](#)[Contact](#)

### Cap 100000000pf 100 uF 50V Electrolytic

\$0.63

Quantity

Add to Cart

Vendor :

SKU : CAP-107\_50V

Newark : 69K7856

Category : Capacitor

Cost : 0.063

Quantity : 300

Retail : 0.63

Bulk : 0.32

Jobber : 0.19

Location1 :

Location2 :

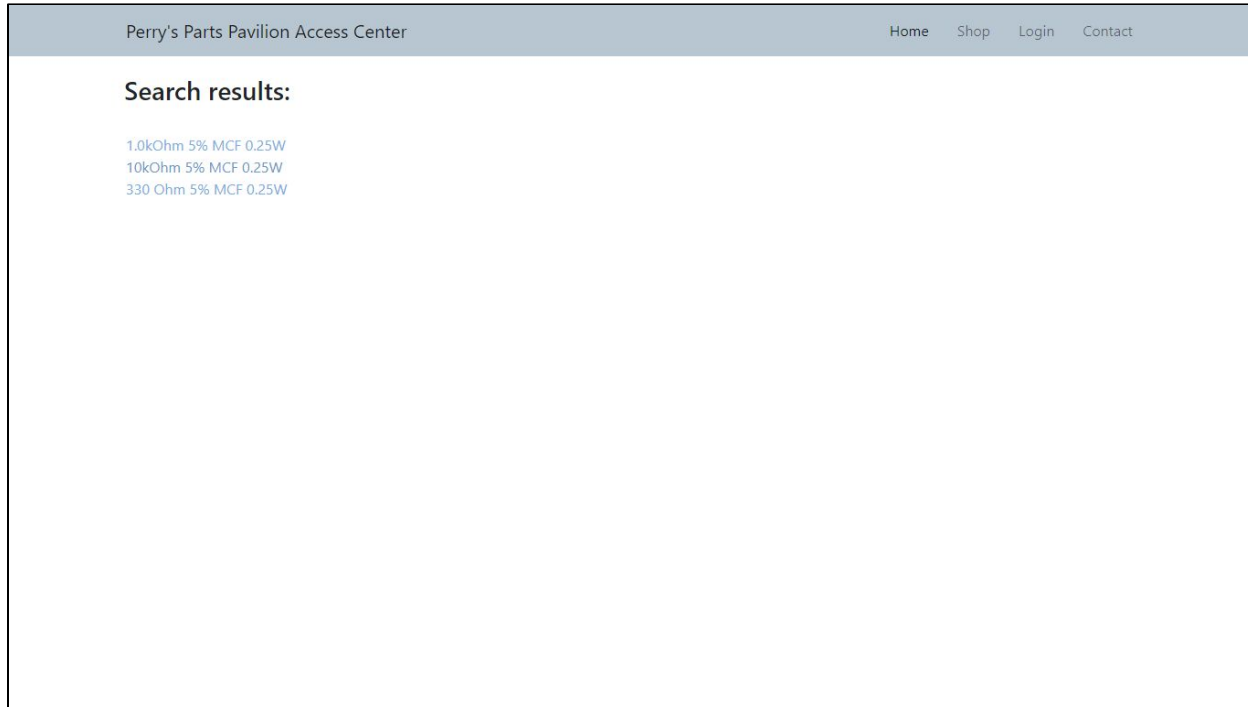
Location3 :

Description Long : Cap 100000000pf 100 uF 50V Electrolytic CAP-107\_50V 69K7856



An Item page





A search result page

Perry's Parts Pavilion Access Center

HomeShopLoginContact

Log in

Email

Enter Email

Password

Password

Submit

Don't have an account? Make one here.

Create New Account



The account log-in page

Perry's Parts Pavilion Access Center

[Home](#)[Shop](#)[test@fau.edu](#)[Contact](#)

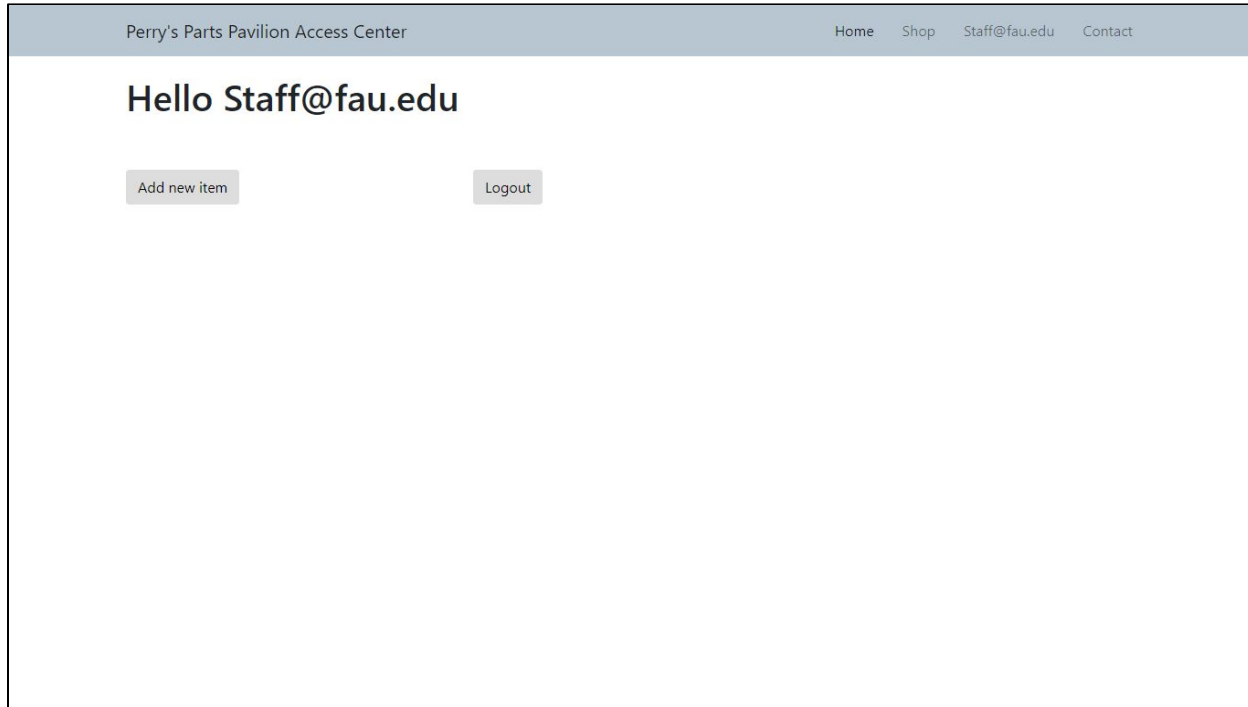
# Hello test@fau.edu

Znumber	Email	Name	Phone	Grad Year
12345678	test@fau.edu	test test	5551234567	2020

Logout



An example user account page



An example staff account page

Perry's Parts Pavilion Access Center

[Home](#) [Shop](#) [Staff@fau.edu](#) [Contact](#)

### Add new Item

Category name:

Product name:

SKU:

Newark:

Quantity:

Cost:

Retail:

Bulk:

Jobber:

ISBN:



The form used to enter a new item in our mySQL database

Perry's Parts Pavilion Access Center

HomeShopLoginContact

## Create Account

Znumber

#####

Password

Password

Confirm password

Password

First Name

First

Last Name

Last

Email

Email@fau.edu

Phone Number

5551234567

Grad year

20##

Submit



The form used to create a new account in our mySQL database



# Target Audience

The target audience of this software is everyone and anyone that is involved in the acquiring and distribution of electrical parts/equipment from the College of Engineering and Computer Science.



# Complete Features

We were able to accomplish some of the features we wanted to have working in our finished product including:

- A database containing user accounts for students and staff.
- A searchable catalog of items available to be purchased.
- The ability to add items to said catalog.
- The ability to create and log into user accounts.





# Non-Functional Requirements

Some of our non-functional requirements include:

- The ability to go to any item page from the homepage within 1 minute.
- The ability to create a new user account under 5 minutes.
- Passwords are not stored in plaintext and identical passwords will be stored differently for different users.



## Future Features

There are several features we would have liked to add to our website including:

- A rental system.
- Functioning checkout.
- A barcode scanner.
- Support tickets.
- To upload files for 3D printing.
- To upload files for laser cutting.



## **Future Features**

Neil and George were the only group members with any web design experience. There were also issues with group members' schedules not allowing them time to learn the skills required for web design.



## **Lessons Learned & Skills Acquired**

Neil was able to learn more about PHP and doing backend for the website. George got some more practice with the frontend. Team members learned lessons about collaborating on assignments and managing work.