

# UNIVERSITY OF TEXAS AT DALLAS

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## PROJECT REPORT ON **“Online Auto Parts Store”**

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# Project Title:

Online Auto Parts Store:

## Name for the Website:

Advance Auto Parts: Speed Perks

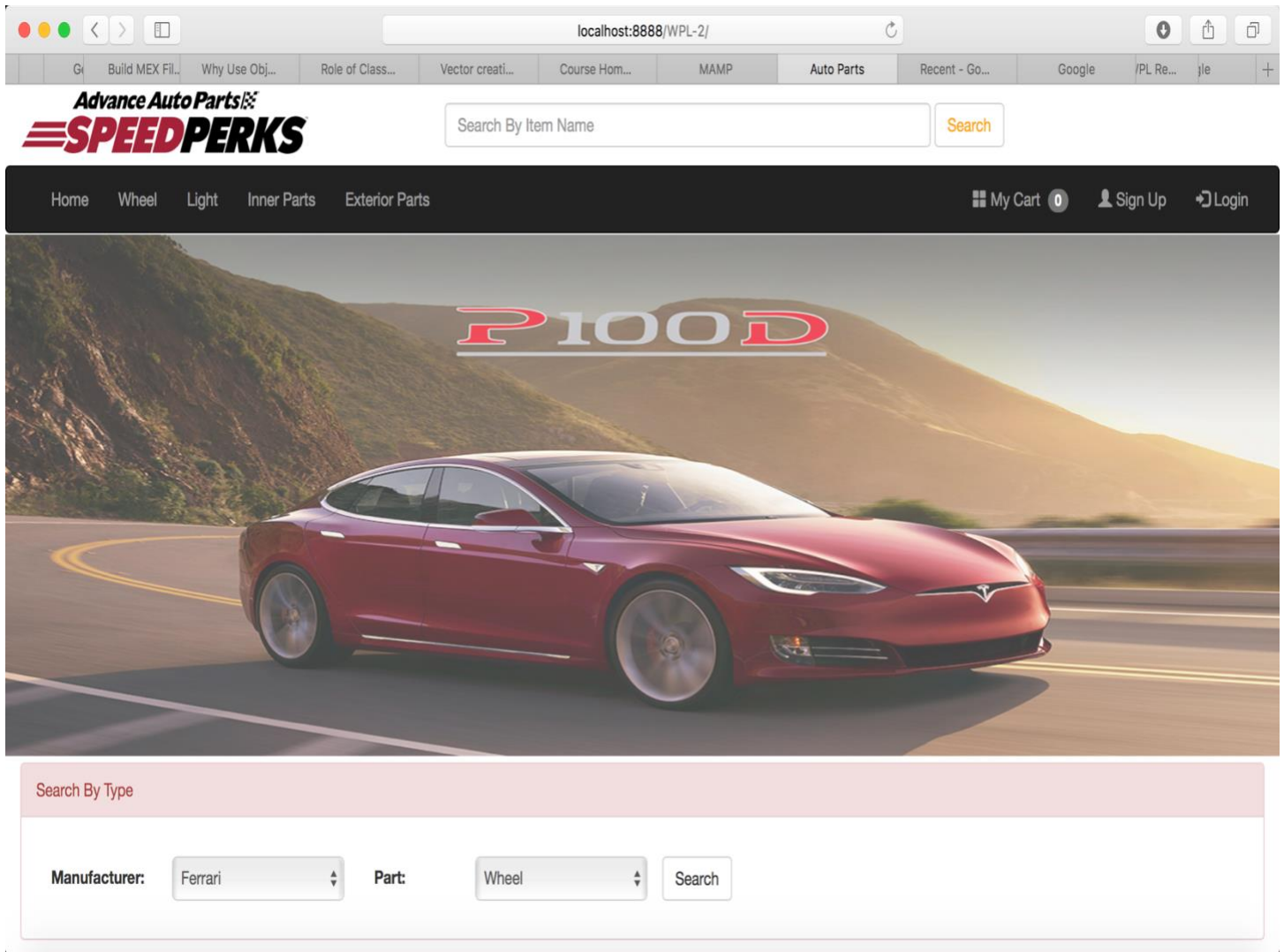


Figure 1: Screenshot of the website front end.

## **Project Description:**

It is an auto parts website where the user can search and buy the parts by type, manufactures and the kind of parts.

Main functionality of the websites:

**Signup:** User can browse the item by going on to the website but cannot checkout the part without signup. Signup asks for users email address and password. It will validate the email address and the strength of the password and if everything is as per the requirements than it will create the new user in the database with the credentials given by the user.

**Login:** After the user has signup, user has to login using the credentials and can access the checkout functionality.

**Listing the available Products:** Once the user logs in, all the available parts are displayed. The user can filter the search based on the categories available. There are four main categories namely Wheel, Light, Inner parts, Exterior parts. User can also search parts based on manufacturer and name of the part. The search engine implemented also helps the user to search for a particular item using the name.

**Paging Functionality:** For each of the category, paging functionality is implemented.

**Shopping:** The user can add items to the cart. The user can also update the quantity of a particular item in the cart or even remove an item.

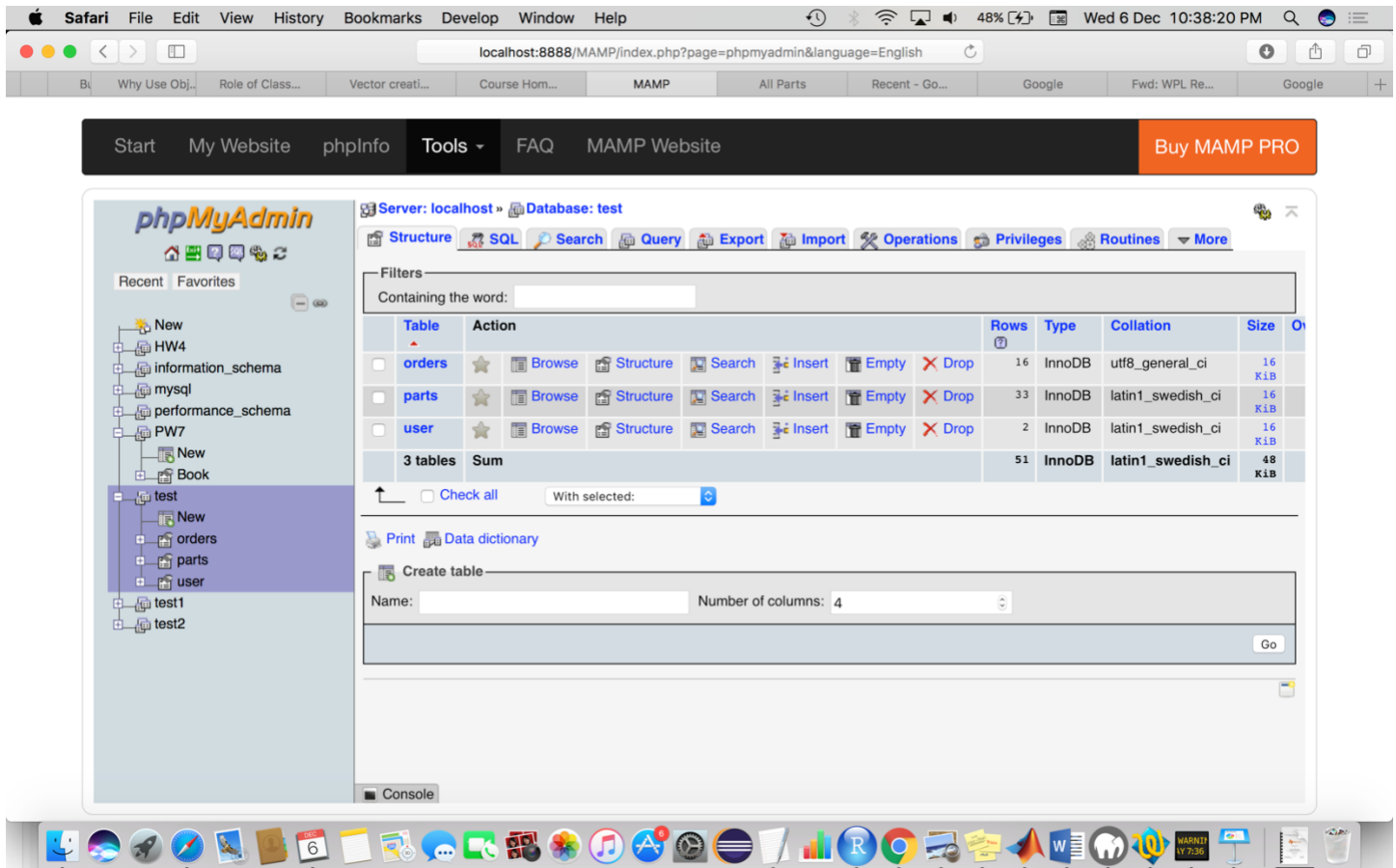
**Placing an Order:** Once the user finishes the process of shopping, an orders page is loaded where he/she can place the order or continue with the process of shopping. The total price is calculated.

**Admin:** The admin has the same interface as the user with some additional functionalities. The main controls of the inventory are monitored by the admin. The main functionalities of the admin control include:

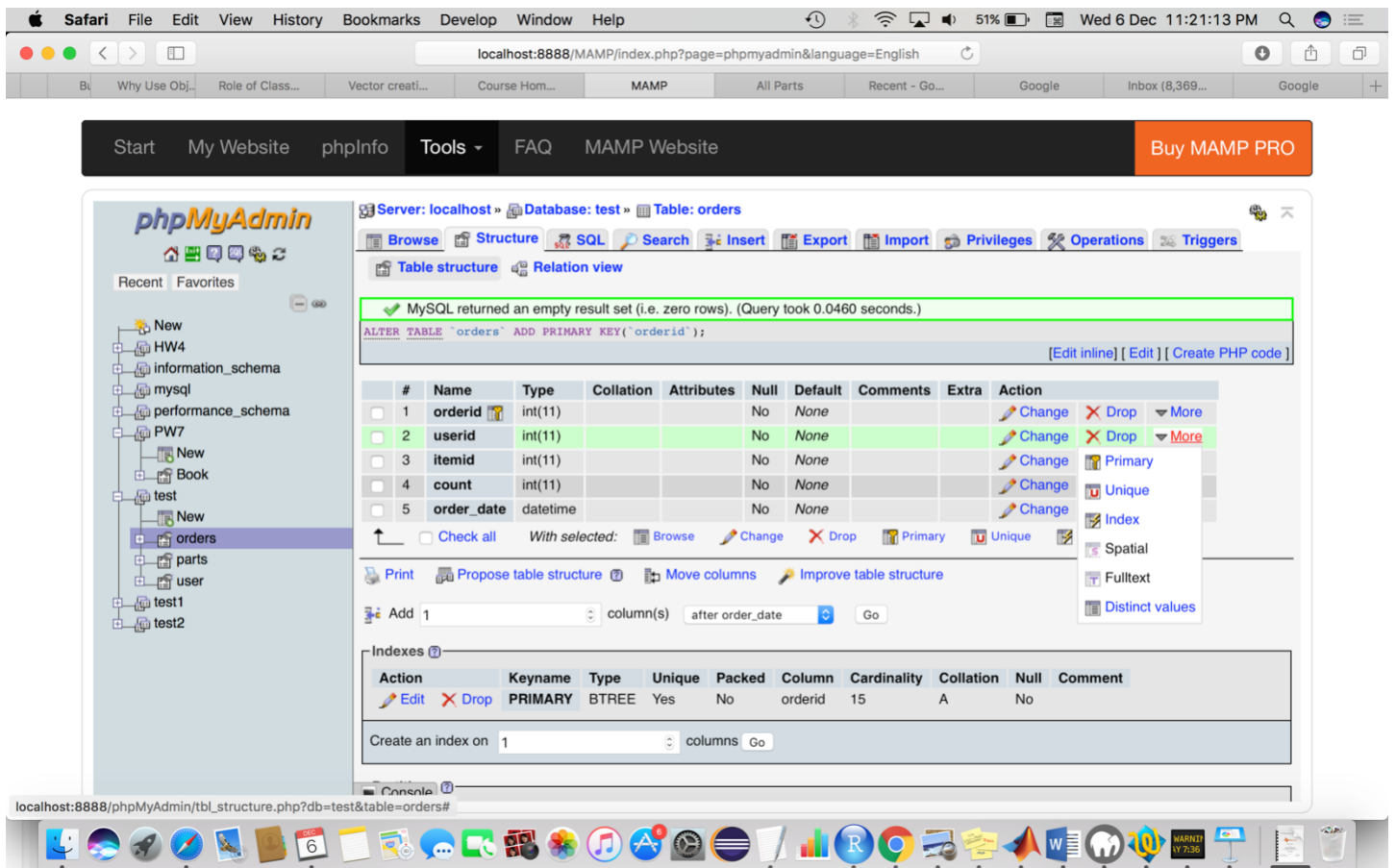
- Add part
- Update part
- Delete part

**Database Design:** The main table in the database includes:

- Orders
- Parts
- Users



Structure of the “test” Database used in the project



orders table with “orderid” as a primary key

localhost:8888/MAMP/index.php?page=phpmyadmin&language=English

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phpMyAdmin

Server: localhost » Database: test » Table: parts

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a>
2	name	varchar(45)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a>
3	position	varchar(45)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a>
4	type	varchar(45)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a>
5	price	double			No	None			<a href="#">Change</a> <a href="#">Drop</a>
6	Quantity	int(45)			No	5			<a href="#">Change</a> <a href="#">Drop</a>

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	33	A	No	

Partitions

No partitioning defined!

Parts table with id as primary key

Safari File Edit View History Bookmarks Develop Window Help

localhost:8888/MAMP/index.php?page=phpmyadmin&language=English

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phpMyAdmin

Server: localhost » Database: test » Table: user

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a>
2	email	varchar(45)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a>
3	password	varchar(45)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a>
4	rank	int(11)			No	None			<a href="#">Change</a> <a href="#">Drop</a>

Check all With selected: Browse Change Drop Primary Unique Index

Print Propose table structure Move columns Improve table structure

Add 1 column(s) after rank Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	2	A	No	

Create an index on 1 column(s) Go

Partitions

No partitioning defined!

Partition table

localhost:8888/phpMyAdmin/tbl\_structure.php?server=1&db=test&table=user&pos=0

User Table with id as a primary key



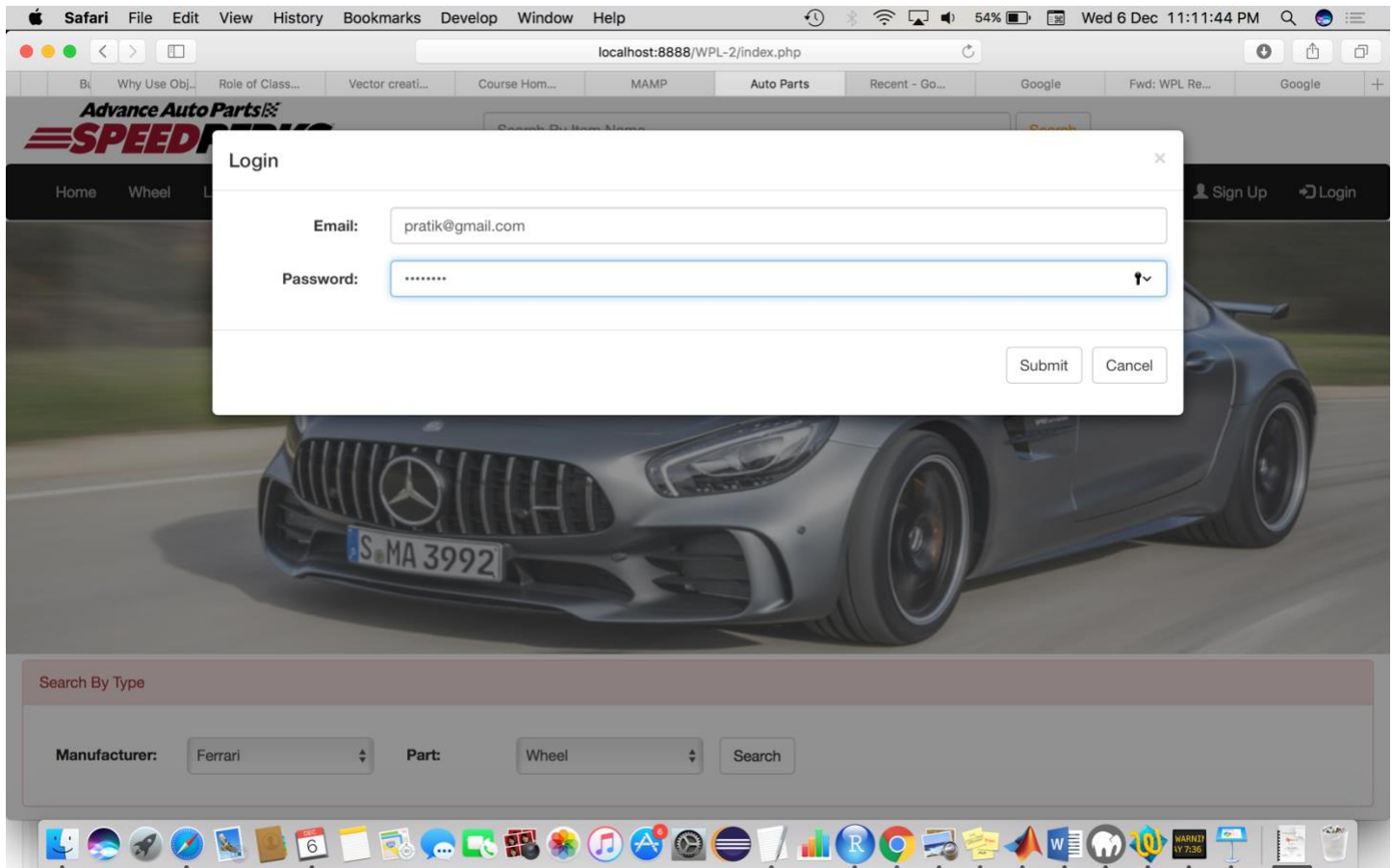
## Languages/frameworks used:

Front end: HTML, CSS, Bootstrap, jQuery, JavaScript.

Middle end: PHP.

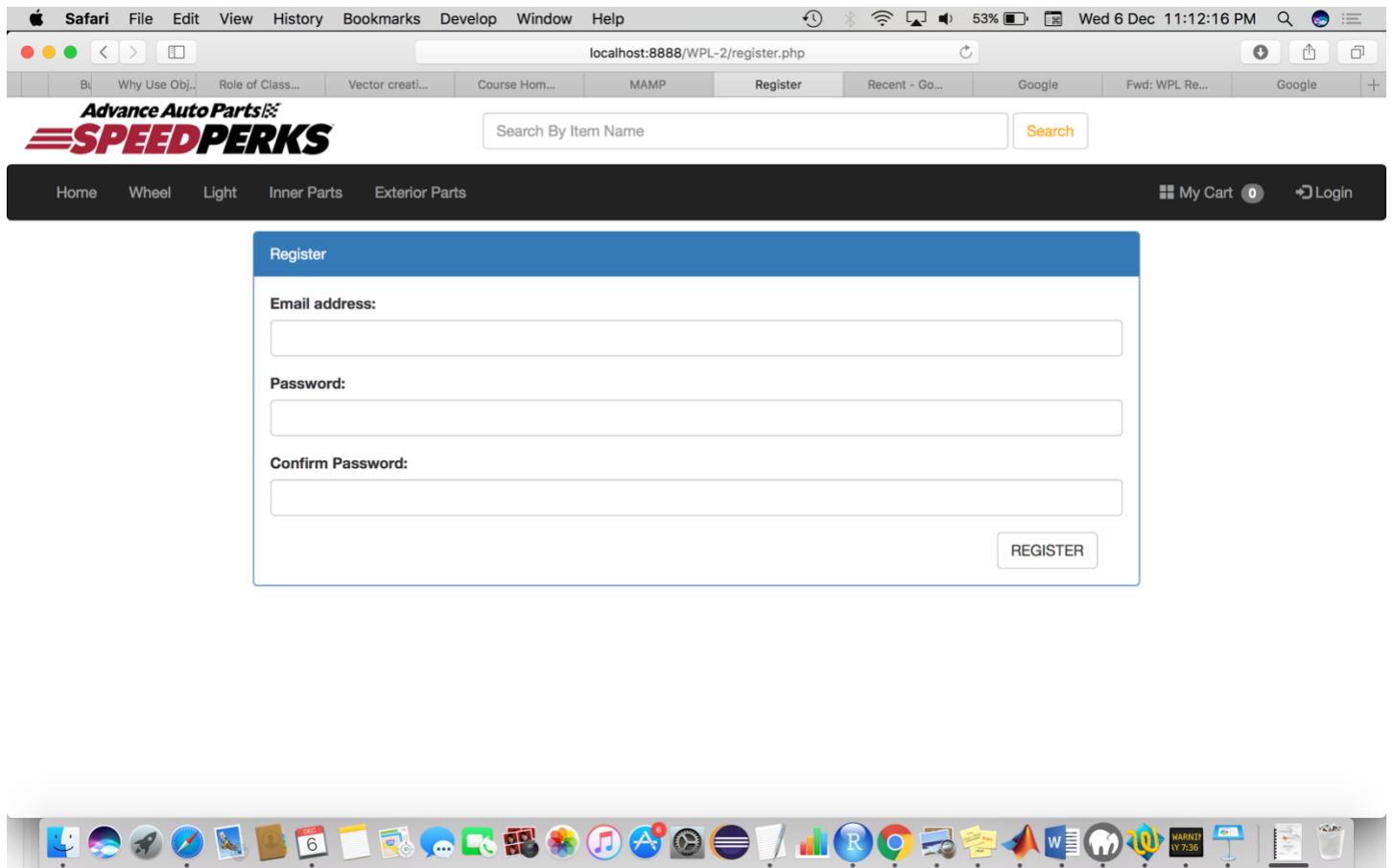
Backend: MySQL.

## Screenshot of the main functionalities:

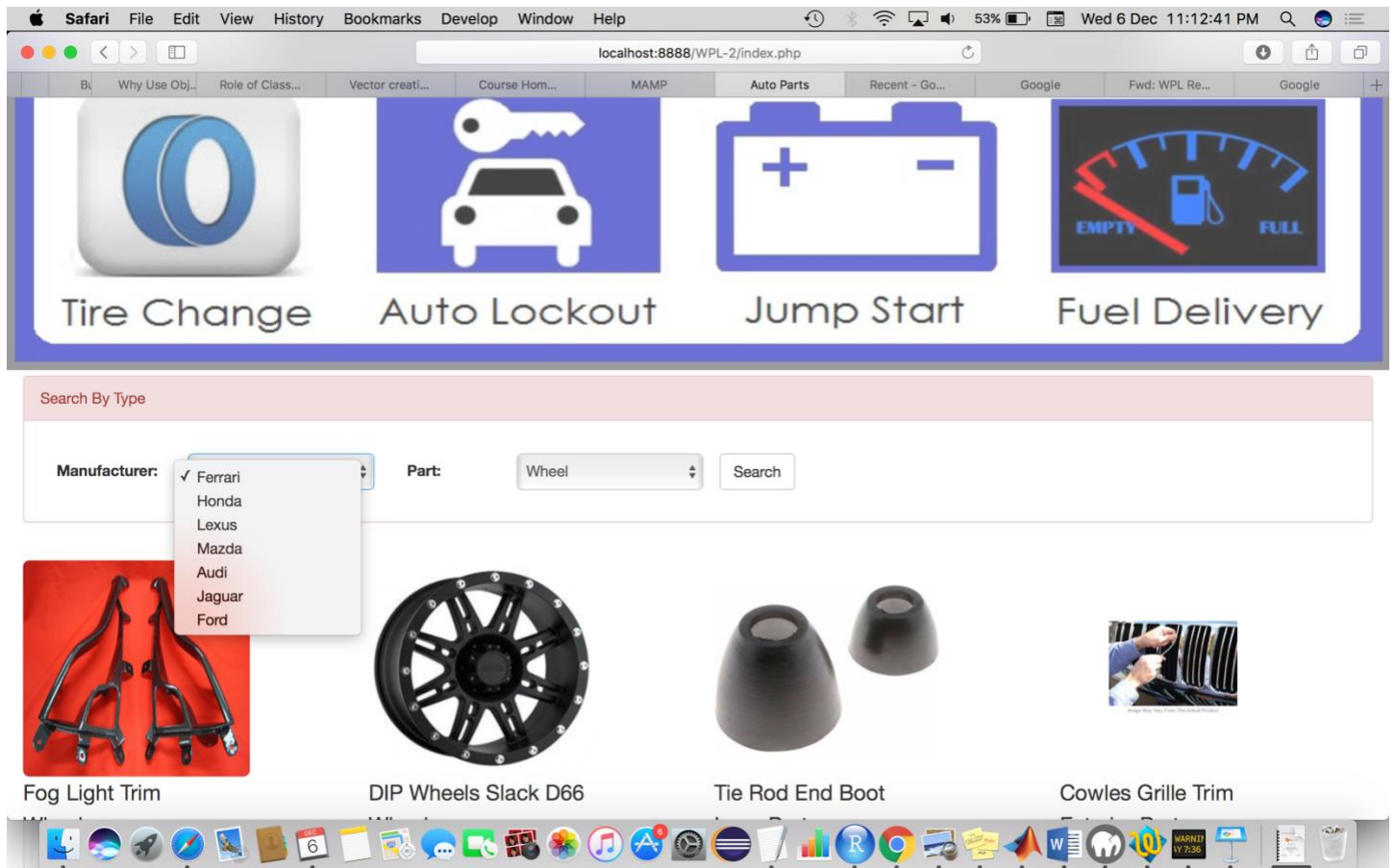


Screenshot of Login Page

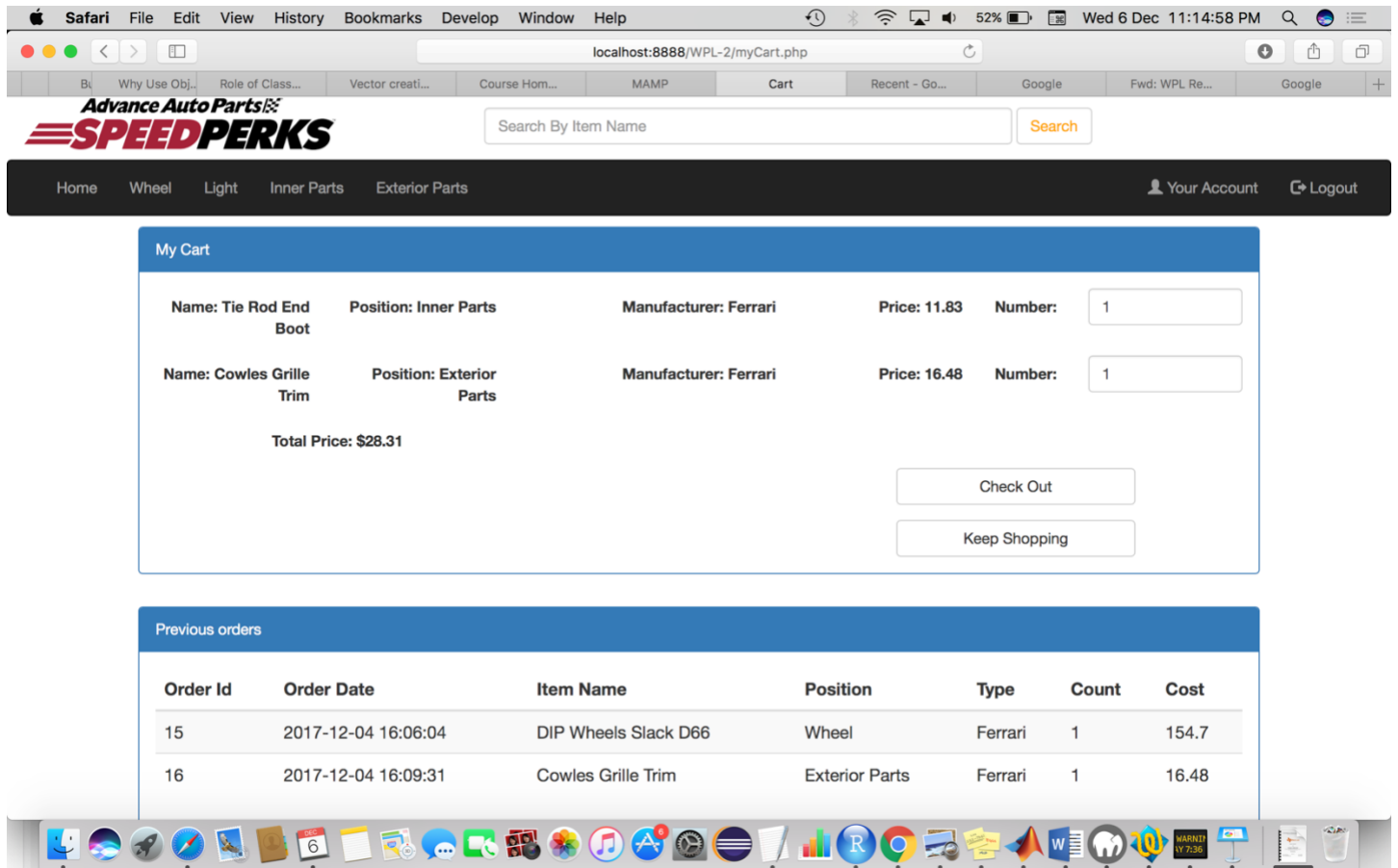




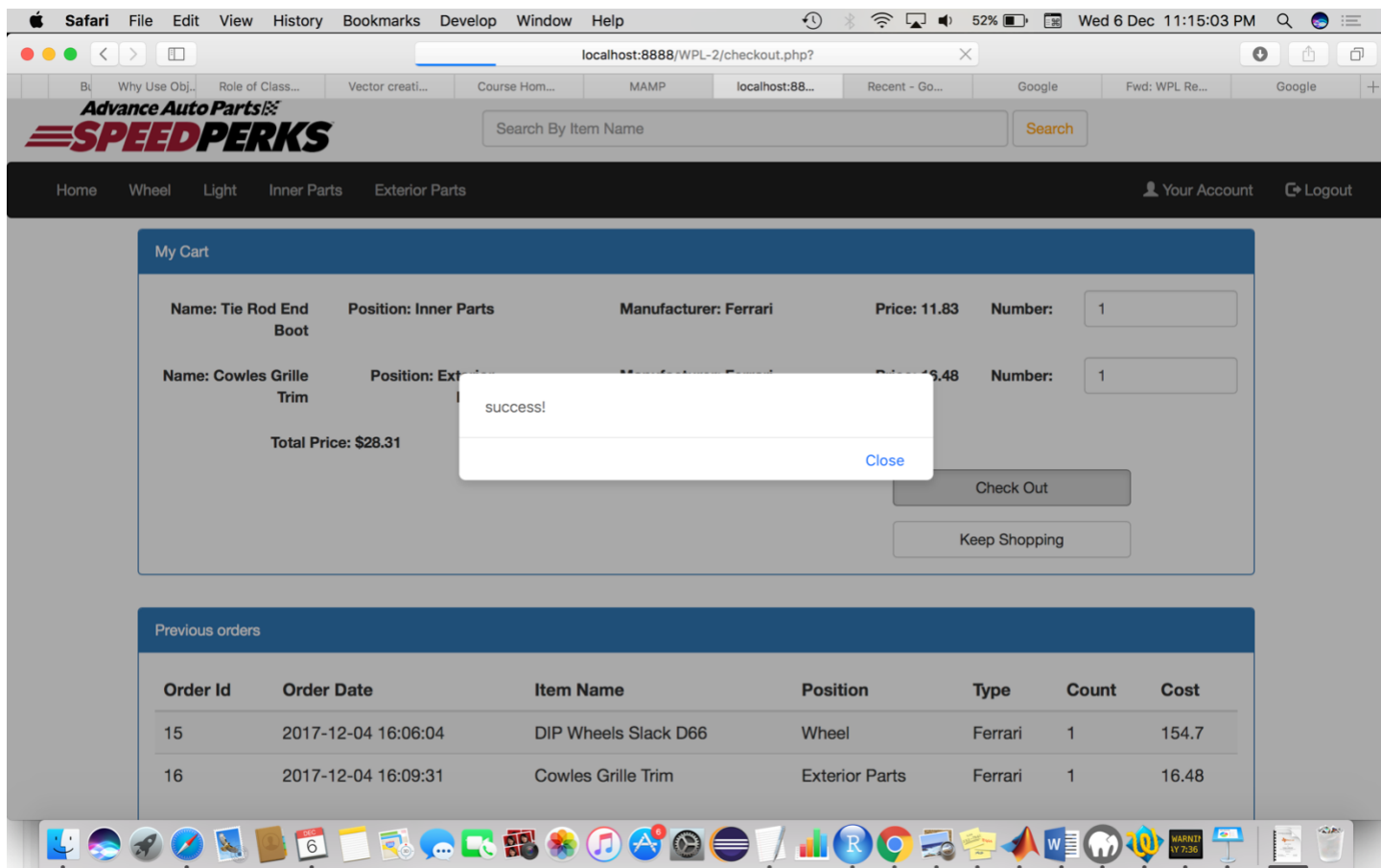
Screenshot of Signup Page



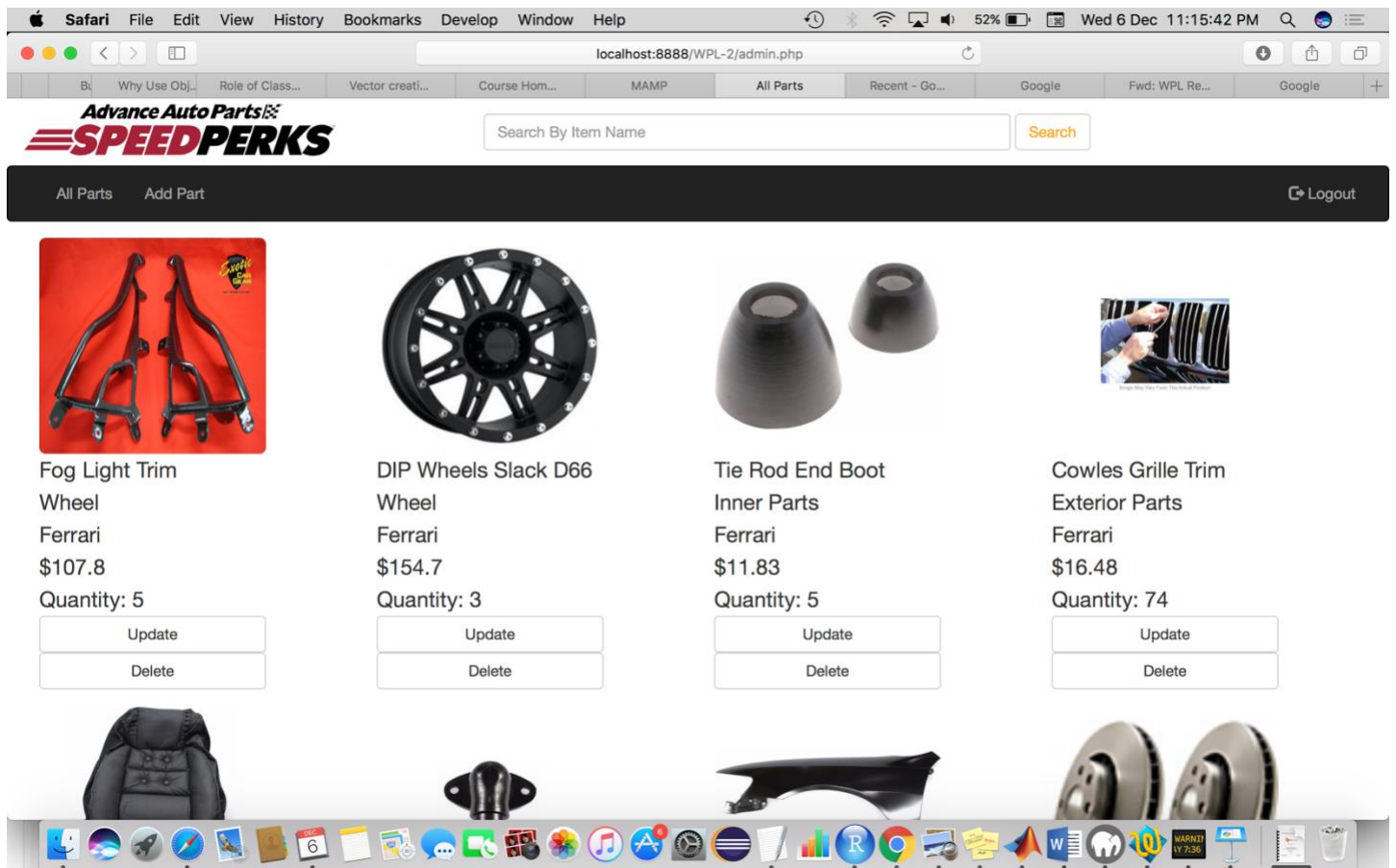
Screenshot of Searching Functionality



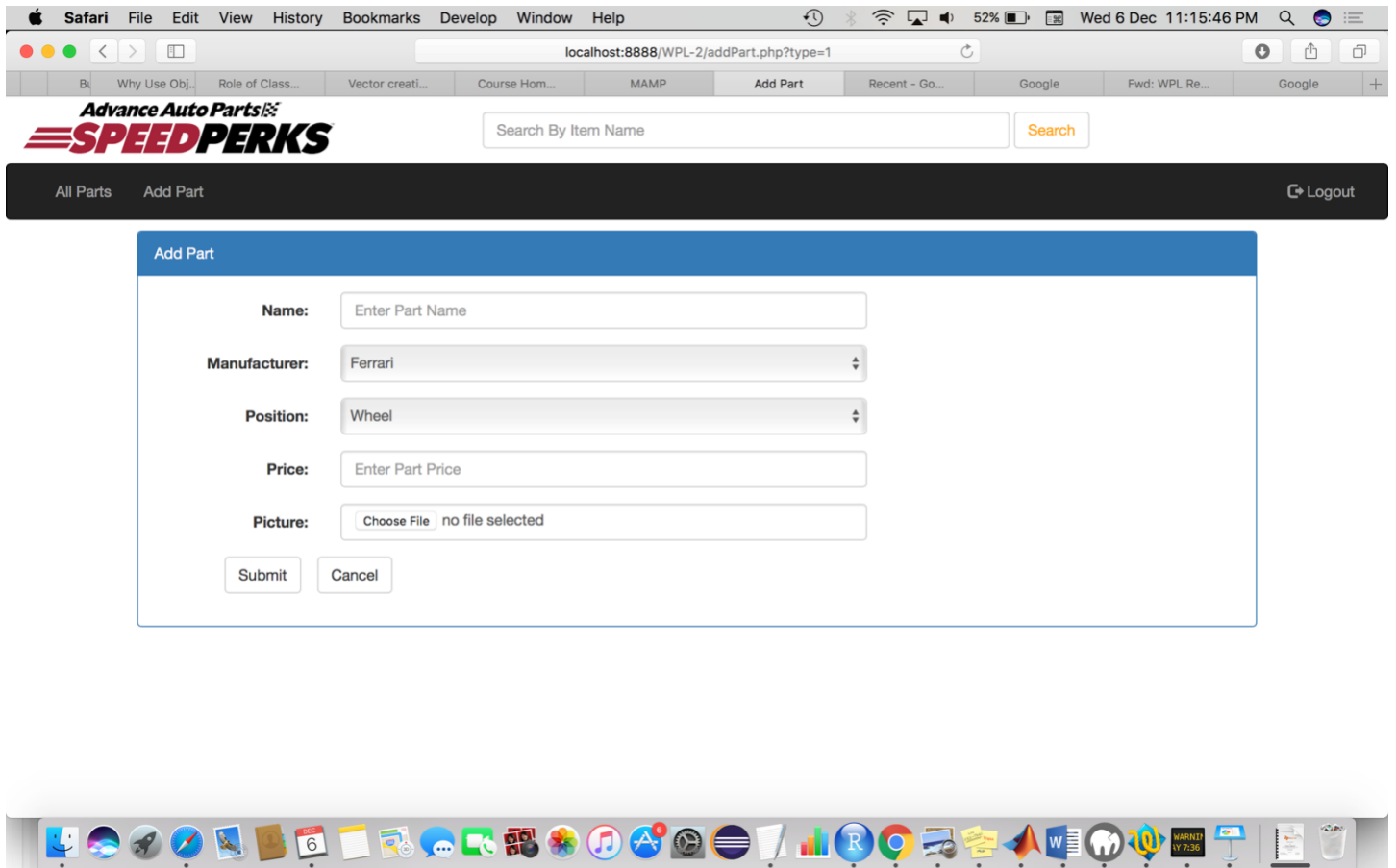
Screenshot of user cart and order history



Screenshot of user Checkout



Screenshot of Admin Page



Screenshot of Add part page in ADMIN

## **Work division:**

Pratik Satani:

- Used HTML, CSS, Bootstrap to design the Homepage. Used PHP to implement the functionality of Signup, Login, Searching a particular part, filters, paging, cart, view order history.
- Database and Normalization.
- Wrote the report.

Krupa Brahmbhatt:

- Used HTML, CSS to design Admin page. Used PHP to build the Add, Update and Delete functionality for the admin and keep the track of inventory.
- Database and Normalization.
- Helped in report.