

Kyler Grahame  
12/18/24  
Final Project Write-Up  
Rosario's Mechanics

# **Rosario's Mechanics**

Team Name : Rosario Mechanics  
Team Leader : Kyler Grahame

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## Team Meeting Logs:

- **Disclaimer:** My team meeting logs will just be my README.md from my project. In all my coding endeavors, I typically track all my progress with a .md either in the project as well as in my Obsidian Vault notes. For this project, I worked alone so my 'team' meeting logs are just my thought process or priority reminders for my next coding session but the documentation of them is not as flushed out as I normally would practice as I am quite familiar with HTML and CSS and mainly only had issues with some PHP and Database features for this project. (I also included a blown-up image of the meeting logs at the end of the report if the following is too small.

## MEETING LOGS:

```
README.md > # 12/17/24
1 # CSIT337FinalProject
2 A Final project for Montclair State University CSIT 337 - Internet Computing. A website with design of my choice.
3
4 # 12-10-24
5 - Setup directory framework and planning on keeping this project very organized and clean.
6 - Main goal for the day is getting the index finished and the general style of the page setup so I can get clear Aesthetic view of the website layout, will probably defer
  from the original wireframes for a more user friendly and engaging UI.
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17 # MARIADB - MySQL Steps:
18 - Start APACHE AND MySQL in XAMPP
19 - Make sure the proj file is in htdocs
20 - C:\xampp\mysql\bin\mysql -h localhost -P 3307 -u root -p
21 - click enter password is blank -> ""
22 - SHOW DATABASES; <- Shows all DBs
23 - For this project's DB paste USE rosarios_mechanics;
24 - SHOW TABLES; <- Shows tables in the rosarios_mechanics Database
25 - SELECT * FROM contactForm; <- This will show all form entries currently in the Database
26 - SELECT * FROM users;
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30 - Finish Index info page, look over all code, clean up possibly...
31 - Do the @media views
32 - Add Admin login and user login possibly for website additions such as editing the services prices, names, adding or deleting services and overall avoid adding and deleting
  through code and rather through the website page. Going to use SHA2 for credential hashing.
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34 # 12/17/24
35 - Add user login and admin login, going to add functionality to the services so they can be changed on the website rather than through the code.
36 - Going to have to set up more DB tables for user and admin.
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38 # 12/17/24
39 - Navbar is giving me so many issues , had to watch videos , now IM RUSHING to finish...
40 - Okay I ran out of time to get the navBar to reflect the changes so were going to skip it and leave the project as is... Refactored all the code to a previous point.
```

## **Contribution Sheet :**

- Considering I did this project alone, I made 100% of all contributions to the project Rosario's Mechanics.

## **Project Summary:**

This project is a webpage designed with HTML, CSS, PHP, and MariaDB. It is an auto shop business called Rosario's Mechanics and is based on my brother's side work he does outside of his main job as a mechanic. It includes a home page, an about page, a service page, a contact form page, and a login page. All features are completed except the login page for users and admins. The Home page is bare bones as it doesn't offer much value to the webpage as a whole because it just features a nav bar, the logo, the business name, and a quick motto for the business. The main value of the project starts on the About page which features a quick summary of the business and then is followed by an image/video grid of work completed that is meant to be visible proof of credentials and supposed to give a sense of trust to our customers. It would further be flushed out into a more aesthetic 3-column grid showcasing pictures and videos of work completed, more 'cool' cars that work had been completed on, and pictures of satisfied customers with either of our mechanics. It would eventually feature a possible review section towards the bottom of the page but the more media on the page the farther down the reviews would be pushed. The next influential page of the project is the services page. The services page features service cards that showcase the job, a mini description, and the price of the job. These service cards are based on card components from Bootstrap I found and are user-friendly and showcase a sense of professionalism and aesthetics. The future implementations of this page would be some itemized listing in the form of a table below the service cards so you can see the parts pricing and labor pricing so we can avoid all flat-rate issues and build a sense of trust and fairness for customers. As well as implementing possible pages per card so they act as buttons for that certain job you need completed and you can acquire more information. The only issue I ran into before implementing this was the admin/user login I was going to use that page with a PHP dashboard where an admin would be able to edit delete and add cards, but then design fully detailed pages per job would become manual and obsolete and somewhat defeat the purpose of making dynamic card generation for easy editability. The last two pages are quite simple where one is a form

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with name, email, phone number, and message for contacting us about work. It connects to a Database and inserts all the form data entered into the table contact form in the database and timestamps it. It is mainly lacking phone and email verification to avoid fake data being entered as well as some more possible detail to the form itself such as a dropdown bar that has the services we provide for ease of customer over typing the message as the main initial communication. Lastly, the login form just is a user and password where it hashes passwords connects to the database, and logs you in. The login form is the only unfinished feature I planned to implement in my original pre-code stage. It lacks noticeable change to the user in the nav to show they logged in, a registration process, as well as I think the page redirect may be killing the log-in session (Not positive about that). I didn't realize the admin/user login was a requirement and never planned to implement so I rushed and didn't manage to finish the process in its entirety or run tests on it much. A last note is on the website aesthetics as we are a small local business I wanted to convey that with a simple color block and page aesthetic with not too much going on in the pages it definitely at this point needs a little more detail or color per page to make it more engaging, I did draw up some more logos but didn't get the time to fill in all the pixels as transparent to have them ready for the pages yet.

## **TABLE OF CONTENTS :**

### **1. Home Page**

- 1.1 - Brief Overview of Rosario's Mechanics Business
- 1.2 - Business Name and Logo
- 1.3 - Motto

### **2. About Page**

- 2.1 - Business Mission
- 2.2 - Disclaimer
- 2.3 - Media
- 2.4 - Customer Reviews (Future Implement)

### **3. Services Page**

- 3.1 - Service Cards
- 3.2 - Itemized List for Parts/Labor Prices (Future Implement)

### **4. Contact Page**

- 4.1 - Contact Form

### **5. Login Page**

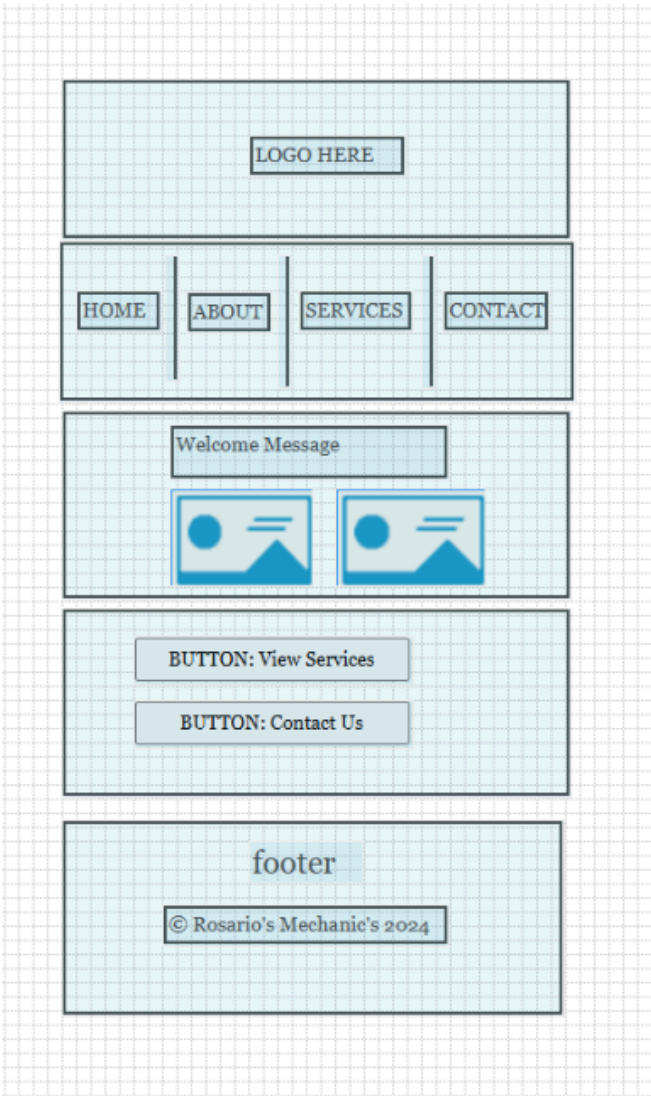
- 5.1 - Username Login
- 5.2 - Password Login

### **6. Nav Bar Components**

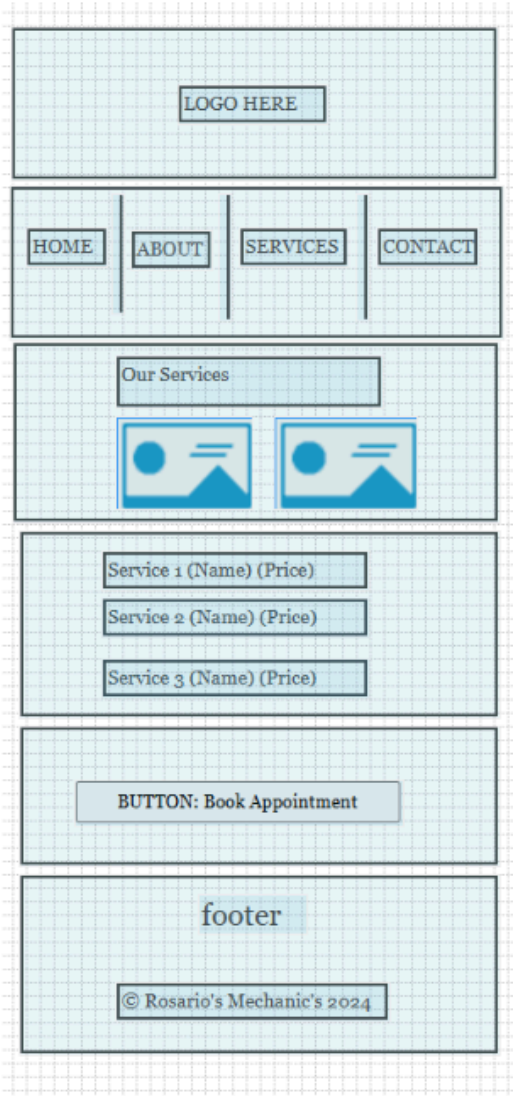
- 6.1 - Home Button
- 6.2 - About Button
- 6.3 - Services Button
- 6.4 - Contact Form Button
- 6.5 - Login Form Button
- 6.6 - "Logged in as : " Display + If Not Logged in -> Login Button

Original UI/UX WireFrames:

Home Page - Index



Service Page - Pricing and Jobs



About - Bio

LOGO HERE

HOME

ABOUT

SERVICES

CONTACT

About Rosario's Mechanic

Logo or some picture maybe

[Text Section: Short Bio]  
"Experienced side-work mechanic specializing in [key skills]"

BUTTON: View Services

footer

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Contact - Appointment

LOGO HERE

HOME

ABOUT

SERVICES

CONTACT

Contact / book now

Contact Form

Name : \_\_\_\_\_

Email : \_\_\_\_\_

Phone : \_\_\_\_\_

Service Need (Dropdown)

Available Dates : (Calender)

BUTTON: Book Appointment

footer

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## **User Manual :**

The process of using the website appears self-explanatory to myself so let me explain the flow as best as possible. First, you connect to the website and are directed to the Home page (index.html) From here the only access you have is to the Nav bar and the login button in the top right so you either proceed with logging in or browsing the website. If you click on any of the next pages from the nav bar you will see the nav bar stays persistent on all pages so we will continuously reference it. The About page will feature a grid of media (images and videos). You will see if you hover over the pictures they will enlarge slightly for better viewing and focus. For the videos, you may click anywhere in the box it is in and it will begin to play. As you see on the bottom of the video screen you may adjust the volume, mute the volume, or enlarge the video to full screen with the [ ] looking button in the bottom right. To exit fullscreen you will just click that same [ ] button. For the Services page, you have no functionality other than the nav bar still and cards just slightly enlarge when you hover your mouse over them for focus. On the Form page, you will enter the prompted info into all the input text boxes and an entry in each one is required. Upon completion, you may click submit where your data will be stored for viewing and response. On the Login page, you will enter a valid username and email and submit upon completion where your account will be logged into and referenced on the webpage (Not fully implemented as of now).

## **Source Code :**

As there are many different files, you may view them in the attached folder of the project to see all code.



## **Database Schema :**

So the structure of the Database is as follows rosario\_mechanics (Database) -> 3 tables ( services, contactForm, users ).

### **Tables :**

#### 1. Services

- a. Purpose: Information stored related to services offered to the business.
- b. Fields:
  - i. id
  - ii. service\_name
  - iii. description
  - iv. price
  - v. created\_at (Timestamp)

#### 2. contactForm

- a. Purpose: Stores customer contact form submissions from the Contact page.
- b. Fields:
  - i. id
  - ii. name
  - iii. email
  - iv. phoneNumer
  - v. message
  - vi. created\_at

#### 3. users

- a. Purpose: Stores information for user accounts (users and admins)
- b. Fields:
  - i. id
  - ii. username
  - iii. password
  - iv. email
  - v. role
  - vi. created\_at

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### Screenshots of the Databases :

```
PS C:\xampp\htdocs\CSIT337FinalProject> C:\xampp\mysql\bin\mysql -h localhost -P 3307 -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 19
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MariaDB [(none)]> SHOW DATABASES;
```

Database
information_schema
mysql
performance_schema
phpmyadmin
rosarios_mechanics
test

6 rows in set (0.001 sec)

```
MariaDB [(none)]> █
```

```
MariaDB [(none)]> USE rosarios_mechanics
```

Database changed

```
MariaDB [rosarios_mechanics]> SHOW TABLES;
```

Tables_in_rosarios_mechanics
contactform
services
users

3 rows in set (0.000 sec)

```
MariaDB [rosarios_mechanics]> █
```

```
MariaDB [rosarios_mechanics]> SELECT * FROM contactForm;
```

id	name	email	phoneNumber	message	created_at
1	Kyler Grahame	grahamek1@montclair.edu	9736501596	test#7	2024-12-16 18:42:06
2	Kyler Grahame	grahamek1@montclair.edu	9736501596	test#7	2024-12-16 18:47:36
3	Shea Walker	sheamaritawalker@gmail.com	2016635788	test#8	2024-12-16 18:48:34
4	Colin Rosario	rosariocolin378@gmail.com	8624328167	test#9	2024-12-16 19:17:02

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```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MariaDB [rosarios_mechanics]> SELECT * FROM users;
```

id	username	password	role
1	admin	749f09bade8aca755660eeb17792da880218d4fbd4e25fbec279d7fe9f65d70	admin
2	user	616104ebd93e67ae20bac90c86483da3cae1ee5b1c1483f739372a88ff1e79f9	user

\*\* The Service table has no current data, as it was not fully implemented.

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## Blown-Up Meeting Logs Image

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