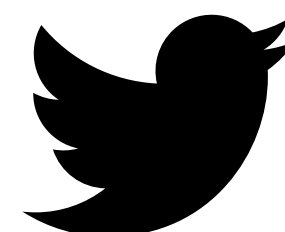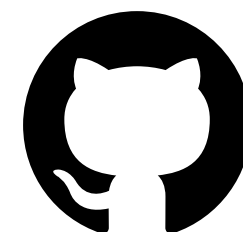# SUMMER INTERNSHIP

By Aaliya Haque (BGO128)
Under the guidance of Mr. Ashay Kohad

TIGHT THE NUT

Self-Introduction

Greetings Everyone! I am Aaliya Haque, a 3rd year undergrad from Shri Shankaracharya Technical Campus, Bhilai (C.G). Solving real time issues through code is something that I like the most.

Today, I will be sharing my journey as a SDE-Intern at Tight The Nut.

Today's Agenda

Part 1: Intro to TTN

Part 2: Objectives of Internship

Part 3: Tech used in TTN Garage

Part 4: Learning of Angular & Flask

Part 5: Work on live project

Introduction to TTN

Tight The Nut is creating innovative smart SaaS solutions for Unorganized Automotive Garages, and Spare Retailers with the keen approach to Revenue, CRM and Brand visibility.

TTN garage is android and web based application to digitalize the workshop operations and provide in-app analytics to monitor and provide actionable intelligence to grow by 30%.

Website: www.tightthenut.com

Objectives of Internship

1 Improve skills in communication, technology, quantitative reasoning and teamwork.

2 To develop skills in the application of theory to practical work situations.

3 Develop a solid work ethic and professional demeanor.

4 To explore the real work environment.

5 Observe and participate in industrial operations and decisionmaking.
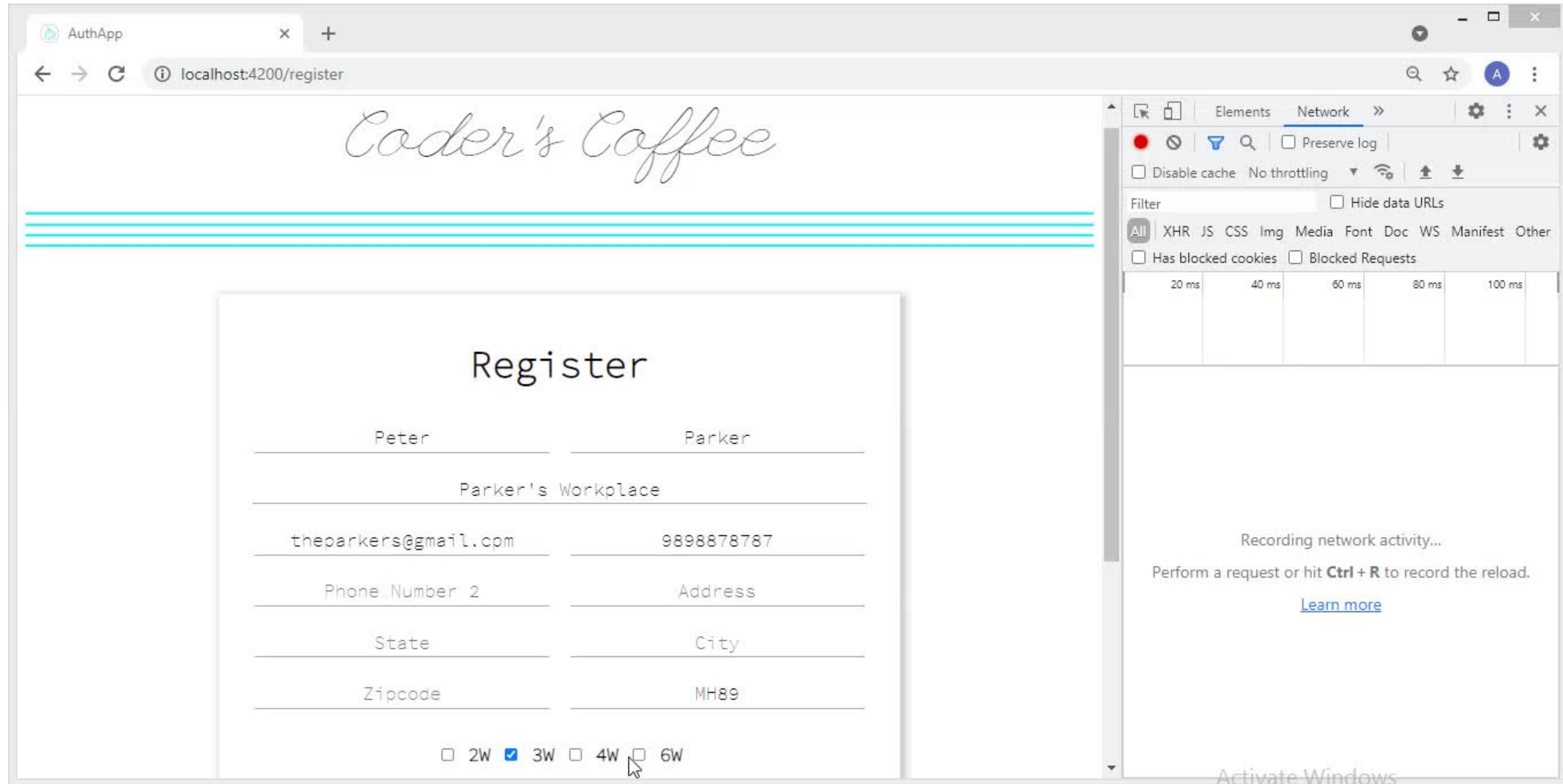
Learning Angular

Authentication App

Project Description

While learning Angular, I have created a Web App for Authentication. Here, I have created different components for register, login and for login options. The main app component links all the components together. I have created a service to call various APIs. I have added routes for all the different components.

GitHub link:
 https://github.com/Aaliya7516/Tight-the-nut-training/tree/main/3-AuthApp-Angular

Video Demonstration!

Learning Flask

CRUD Operation

File Upload

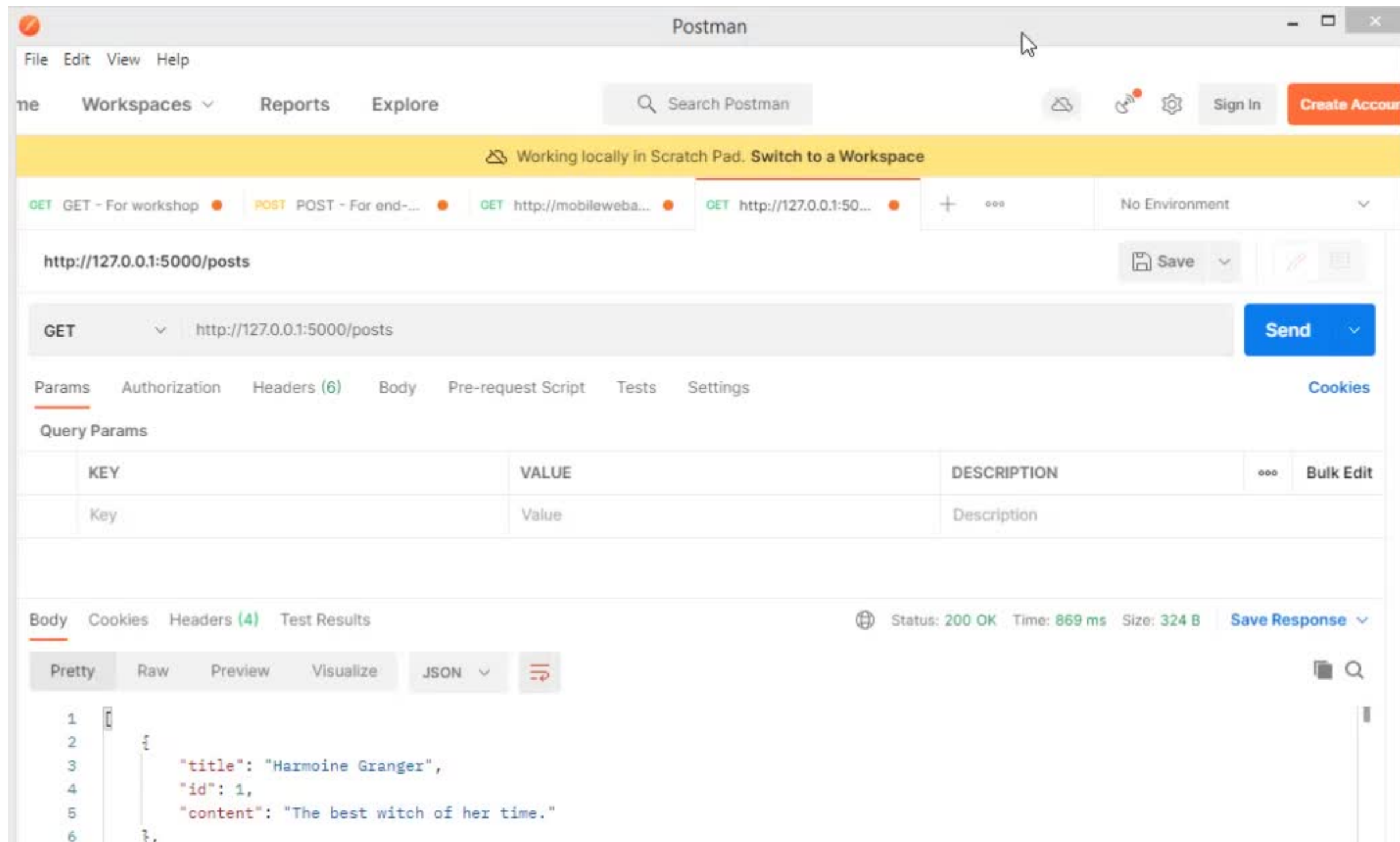# CRUD Operation

This API is created to learn CRUD using Flask REST API. CRUD has 4 parts: Create, Retrieve, Update and Delete.

GitHub Link:
https://github.com/Aaliya7516/Tight-the-nut-training/tree/main/1-Flask-CRUD

Video Demonstration!

File Upload

This API is created to learn Image uploading (or file upload) to Database using Flask API. Here, I have done 4 things:
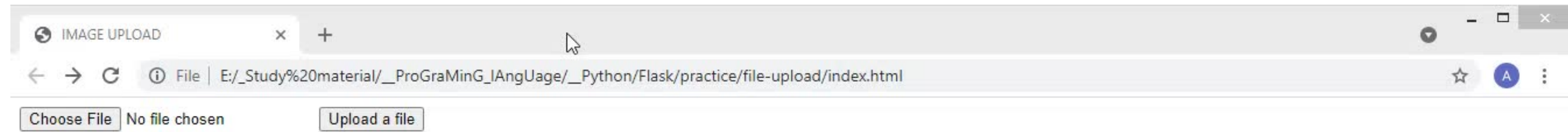1) Upload Image
2) Retrieve image
3) Give respond if the Image is already present
4) Give respond to the Id if it is not present.

GitHub Link:

https://github.com/Aaliya7516/Tight-the-nut-training/tree/main/2-Flask-File-upload

Video Demonstration!

TTN Garage

Created Supplier page

Feedback Form for customer

Feedback page for Workshop

Tech Stack

HTML   CSS   SCSS

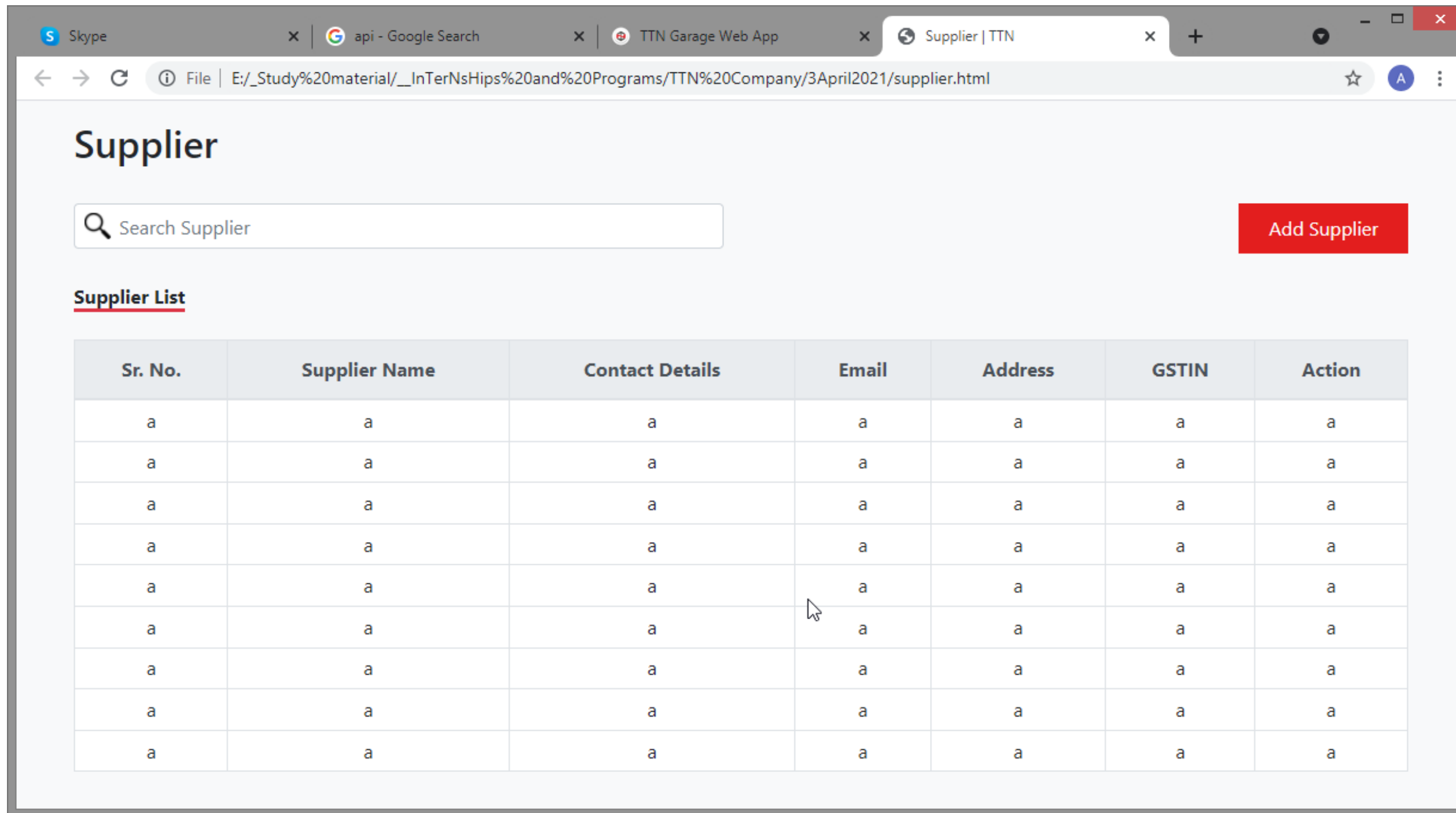Bootstrap   Angular   Flask

PostgreSQL   AWS Cloud

Supplier Page

Creating Supplier page ad feedback page using HTML, CSS and Bootstrap was my first task. It helped me improve my skills in HTML, CSS, Bootatrap and Dev Tools.

Made them responsive for desktop as well as mobile.

Supplier page, desktop view

Supplier

🔍 Search S   **Add Supplier**

Supplier List

Sr. No.	Supplier Name	Contact Details	Email
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a
a	a	a	a

Supplier page, mobile view

Supplier form, desktop view

Add Supplier ✕

Owner Info

First Name

Last Name

Contact 1

Contact 2

Email

Business Info

Firm Name

Address

City

State

PIN Code

GSTIN

Save & New   Save

Add Supplier ×

Owner Info

First Name

Last Name

Contact 1

Contact 2

Email

Business Info

Firm Name
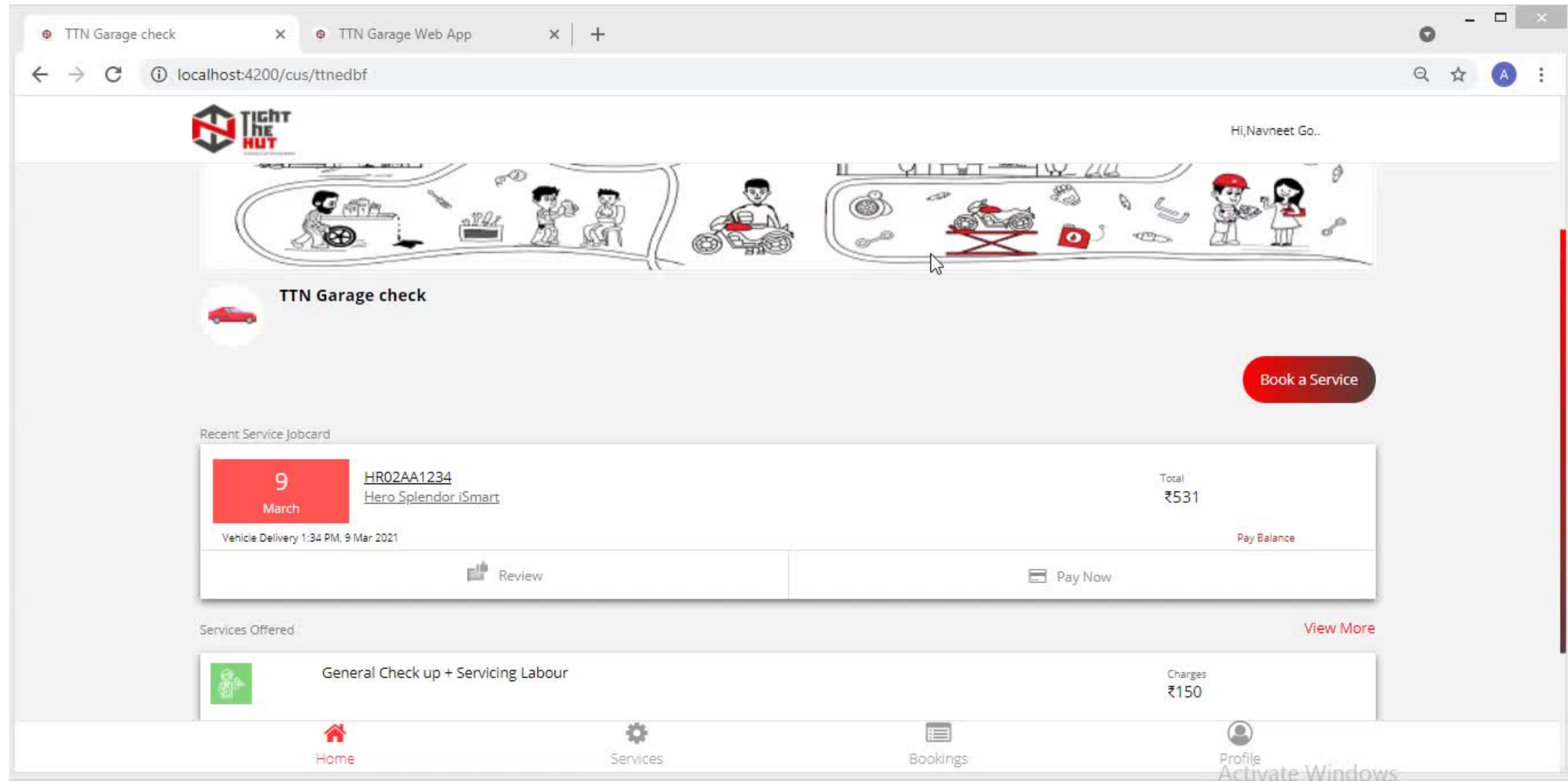
Address

City

State

PIN Code

GSTIN

Save & New   Save

Supplier page, mobile view

Feedback form

This task also had few sub-modules:
1) To create a feedback form and add this form in two parts of the project (i.e Customer register and customer login)
2) Display previous feedback, if present
3) Display overall-rating besides 'Feedback' of the Dropdown form added.
4) Finally, send the latest feedback to the server using API
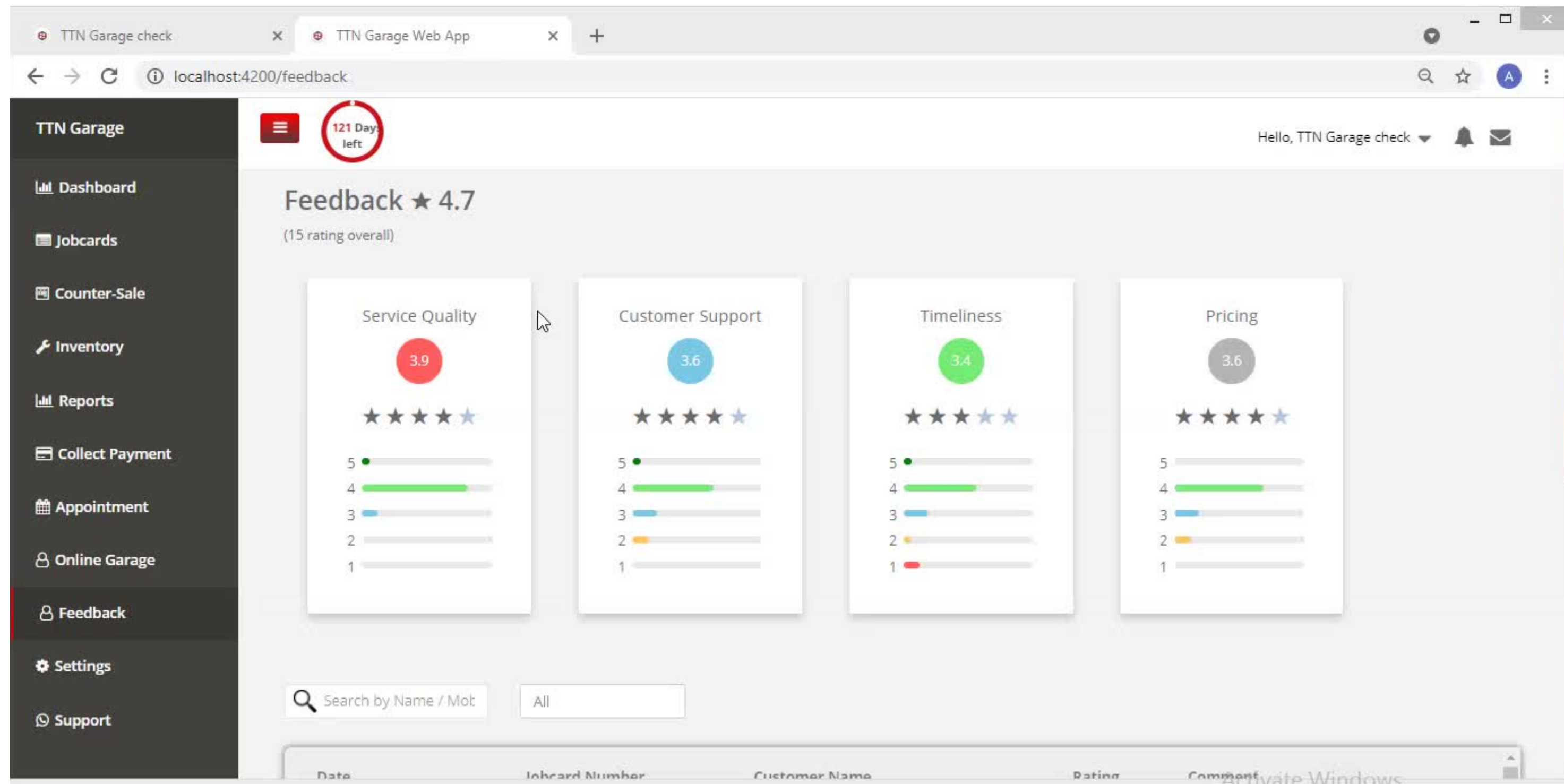
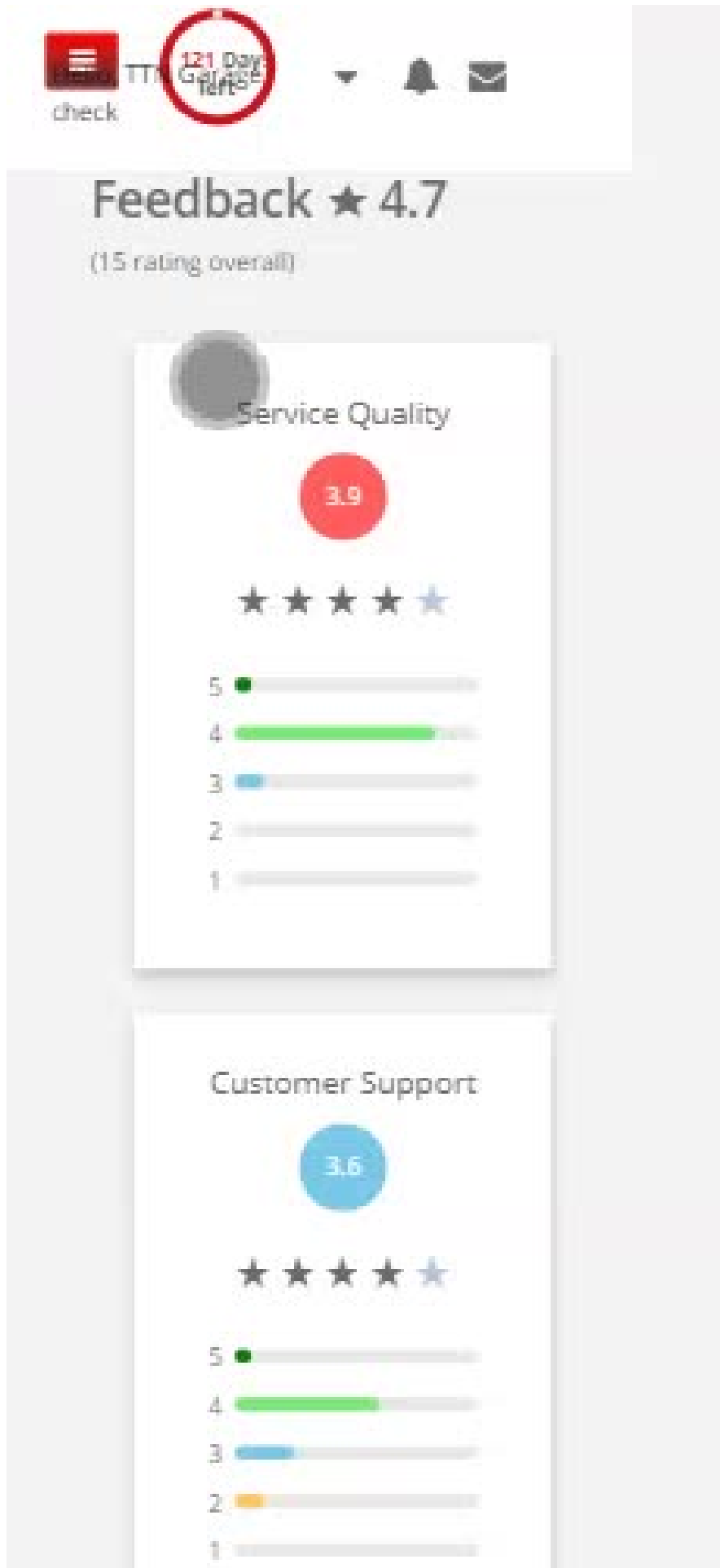# Video Demonstration!

Video Demonstration!

Mobile View

Feedback page

We can again divide this task into sub-tasks:
1) Created a new component for feedback page of workshop, added feedback on side layout and added a new route for it.
2) Integrated feedback list API to display the values in various places.
3) Integrated the API for search to avail the user to search feedback according to Name or customer mobile number.
4) Integrated the rating filter API to show the feedback of selected rating value.

Video Demonstration!

Video Demonstration!

Mobile View

Conclusions

Its only because of this internship that now I can see through the complex structure of a website. It helped me to understand and deal with multiplex structure of code of a compound project. Through this internship, I was able my technical skills drastically. I got to experience an actual industrial environment and learned about team work.

Questions / Answers

Thank You!