

WEB DEVELOPMENT PROJECT REPORT

CRUD APPLICATION USING AJAX

BUZZ CAR RENTALS

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The work/code in this project is done by myself and I confess that this is my own work.

Abstract: This is a basic CRUD web app which uses AJAX requests at back end to send and receive data between frontend and backend. There are Admin and Users views, User can read while admin has privileges to Create, Read, Update and Delete.

Highlights:

- Flask
- JavaScript
- Ajax Requests
- ORM database
- MVC model
- Separate Backend/Frontend

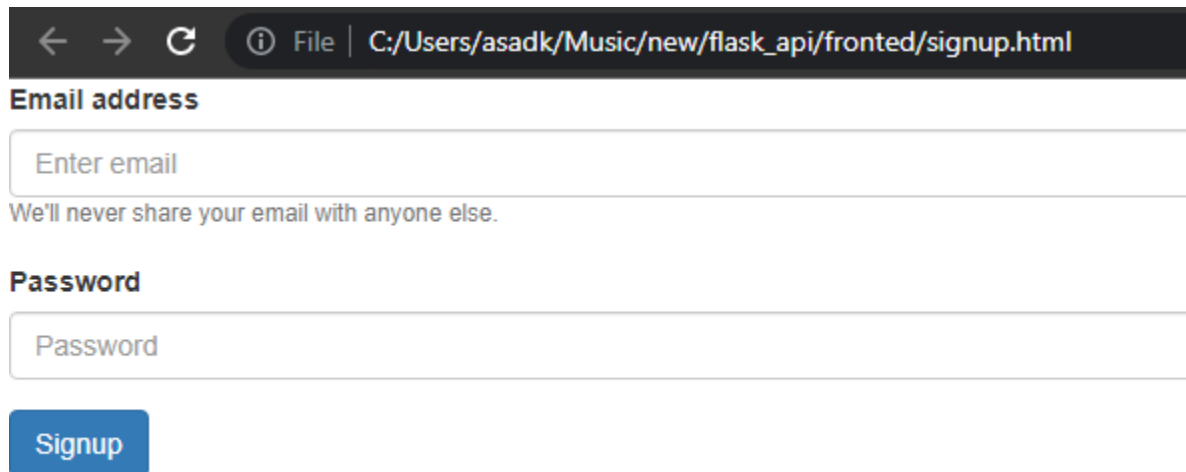
Signup:

Users can register themselves on car rentals website. They are uniquely identified on the basis of their e-mail address.

Login:

There are two types of logins. Admin Login and User Login. Only registered users can login to system. When user gives information on login page, this information is sent through Ajax requests to views at back-end and then it is authenticated at backend.

User Signup:



The screenshot shows a web browser window with a dark address bar. The address bar contains the text "File | C:/Users/asadk/Music/new/flask_api/fronted/signup.html". Below the address bar, the page title "Email address" is displayed. There is a text input field with the placeholder text "Enter email". Below the input field, a small line of text reads "We'll never share your email with anyone else." Below this, the page title "Password" is displayed. There is another text input field with the placeholder text "Password". At the bottom of the form, there is a blue button with the text "Signup".

User Login:

Email address

We'll never share your email with anyone else.

Password

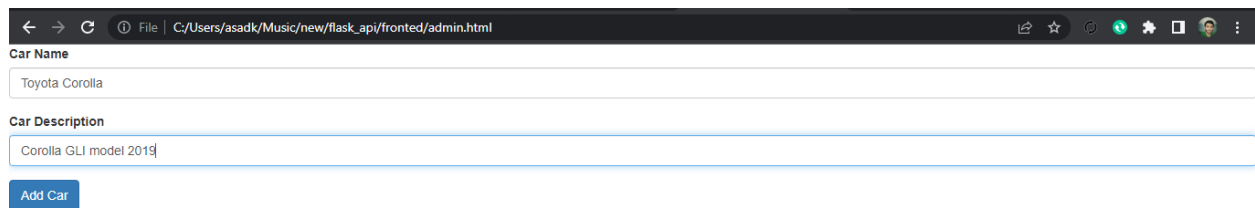
User View:

BUZZ CAR RENTALS			
ID	Car Name	Description	
1	BMW	BMW : Model Name _ SVd :	Book_Now
2	corolla	corolla alto cv234	Book_Now
3	mehran	mehran model 2016	Book_Now
7	Tractor	Tractor maxo	Book_Now
13	Mercedes	benz model 2098	Book_Now

Admin Login:

← → ↻ ⓘ File C:/Users/asadk/Music/new/flask_api/fronted/login.html	
Email address	
<input type="text" value="adminbuzz@gmail.com"/>	
We'll never share your email with anyone else.	
Password	
<input type="password" value="....."/>	
<input type="button" value="Login"/>	

Admin View:



Car Name

Toyota Corolla

Car Description

Corolla GLI model 2019

Add Car

BUZZ CAR RENTALS

ID	Car Name	Description		
1	BMW	BMW : Model Name _ SVd :	DELETE_Record	Update_Record
2	corolla	corolla alto cv234	DELETE_Record	Update_Record
3	mehran	mehran model 2016	DELETE_Record	Update_Record
7	Tractor	Tractor maxo	DELETE_Record	Update_Record

Admin Can:

- Create a Record

When admin creates a record and hits button, a request with data is sent to views in which add function is present. This function extracts data from request and adds the record to database.

- Update a Record

When admin hits update button, a request with data is sent to views in which update function is present, a new window is opened to change/update the data and then this data is stored to database.

- **Delete a Record**

When admin hits delete button, a request with data(id) of record to be deleted, is sent to views in which delete function is present. This function deletes data on the basis of id and shows the updated records after deletion by refreshing same page.

- **Read the record**

Admin Can read records obviously.

Database Used:

MySQLAlchemy is used on local server as a database.