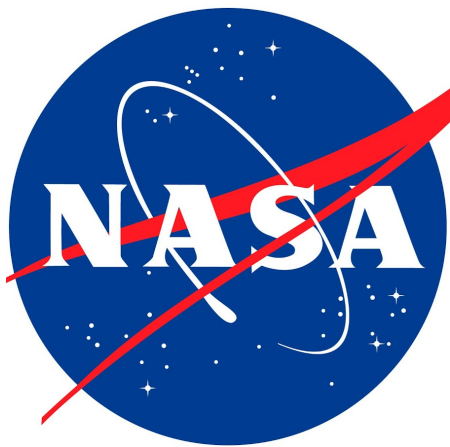

SpaceContent

12.03.2023



Pedro Gomes
Springboard

Overview

My goal is to create a webapp where users need to register and login(authenticate),in order to see the page content. The page provides an interaction for the users to click on a button and choose the date to see pictures from space, and also pictures from the Mars Rover, using NASA's API, and filter by date, and camera if needed.

Specifications

The technologies used will be Python, Flask, SQLAlchemy, WTFForms, Bootstrap, HTML and Javascript. All sensitive information about given users is saved in hashed format and encrypted using Bcrypt.

Steps

After the proposal is approved, my step-by-step is going to be to create the database to store users info (username, password, email) and then create the models for the table on the database.

Set the models for the tables on the database, and also the forms to retrieve user's data and user's preferences on filtering data to see the images.

Furthermore, set the routes for the URL using flask. Then, start creating the HTML for the page.

Generate the logic for the interaction of clicks and images popping up, using Javascript with JQuery.


Style it using Bootstrap.

Test the Application.

Deploy it online and make tests again when it's rendered.

DATABASE SCHEMA

Users

ID	 SERIAL;
Username	VARCHAR(15);
Password	VARCHAR(8);
Email	TEXT
First_Name	VARCHAR(15)
Last_Name	VARCHAR(!5)