# Dynamic Prediction of Flight Ticket Prices

## Description:

Create a simple web application that allows users to analyze and predict the prices of flight tickets dynamically. The application will collect real-time data from various airline and travel websites using web scraping techniques and apply machine learning algorithms to predict future ticket prices. Users should have the following options:

- Input travel details: Users can input their travel details, such as origin, destination, travel dates.
- Start the scanning process: The application will scrape flight price data from multiple sources, including major airlines and booking platforms, to track price changes over time.
- Obtain a detailed report: The application will generate a report showing current flight prices and predictions for future price changes. The system will also provide insights into the best times to book flights for cost savings.

Note: You have the freedom to choose how the pages of the application will look and add new features if you want.

## Similar apps/tools:

Google Flights
Hopper

## Coding resources:

Python Documentation
Web Scraping with BeautifulSoup
Flask Framework
Machine Learning with Scikit-learn
Multithreading & Multiprocessing

## HTML & CSS:

HTML Basics
CSS Basics
JavaScript

## GIT & Github:

GIT Documentation
GitHub Quickstart Guide

Libraries and more resource:

Requests - Python HTTP Library
Beautiful Soup - Web Scraping
URLLib
Regex for Text Parsing
HTTP Libraries