FoodFox

Your place to EAT

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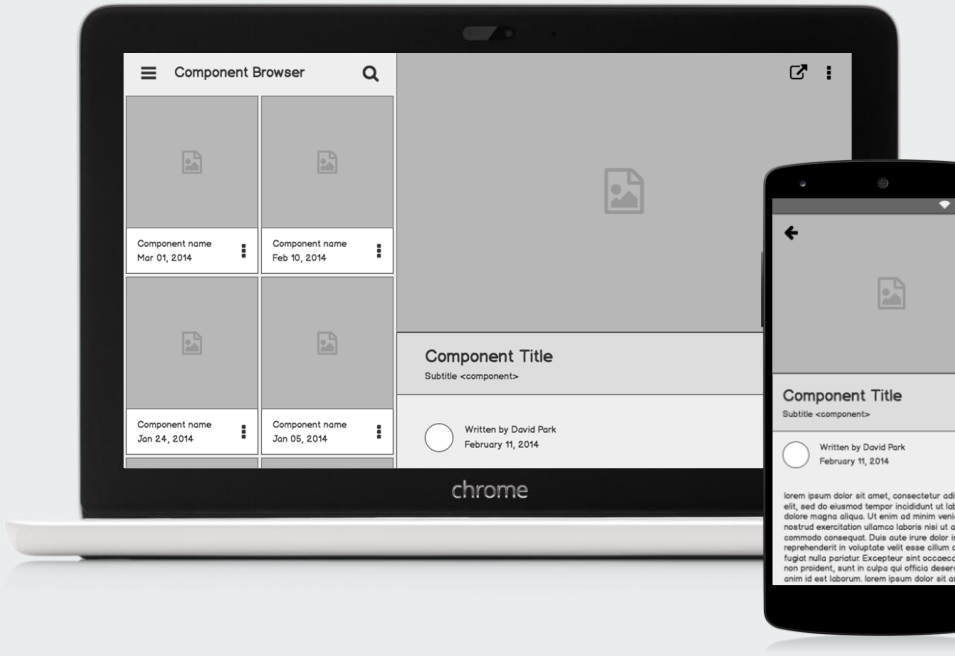
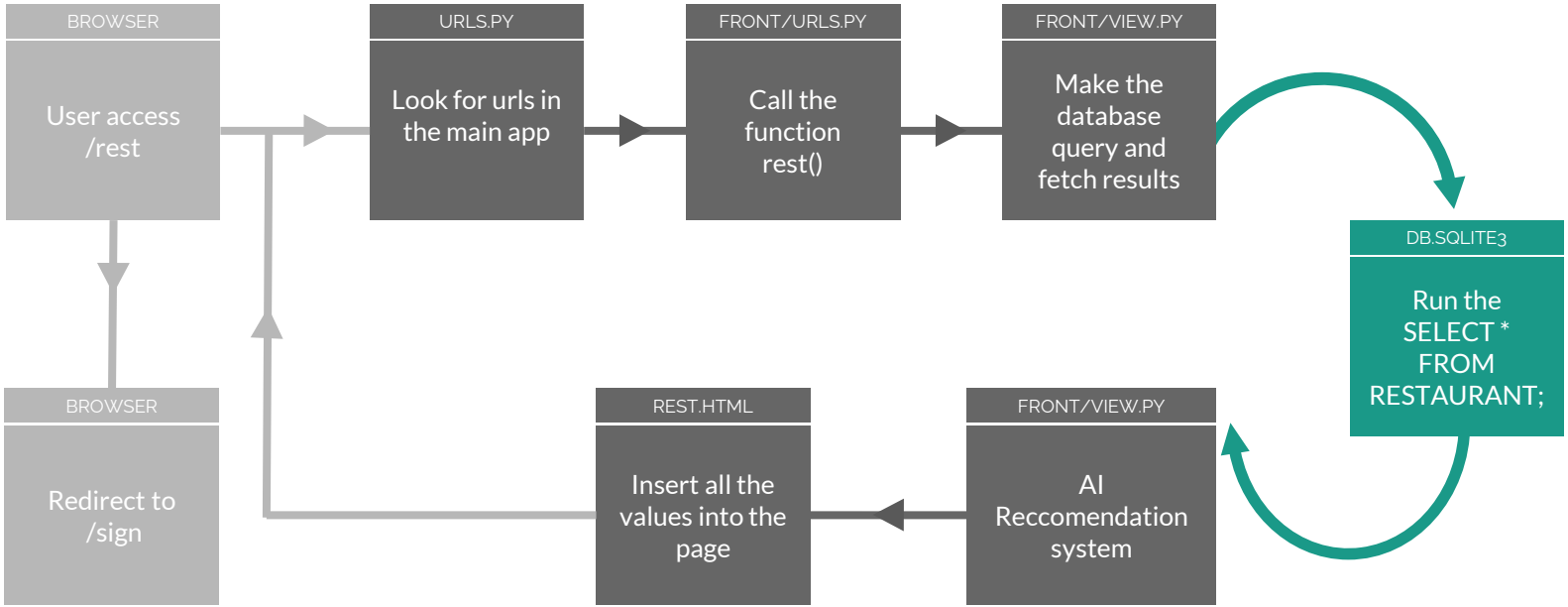


Overview

- Our project FoodFox will be used to see various restaurants for best restaurants and book a table in one of them across various options available to the user as per the liking of him/her.

- Based on user requirement the user can also order food in advance to save some time and help fast allocation to them.

Flow of operation

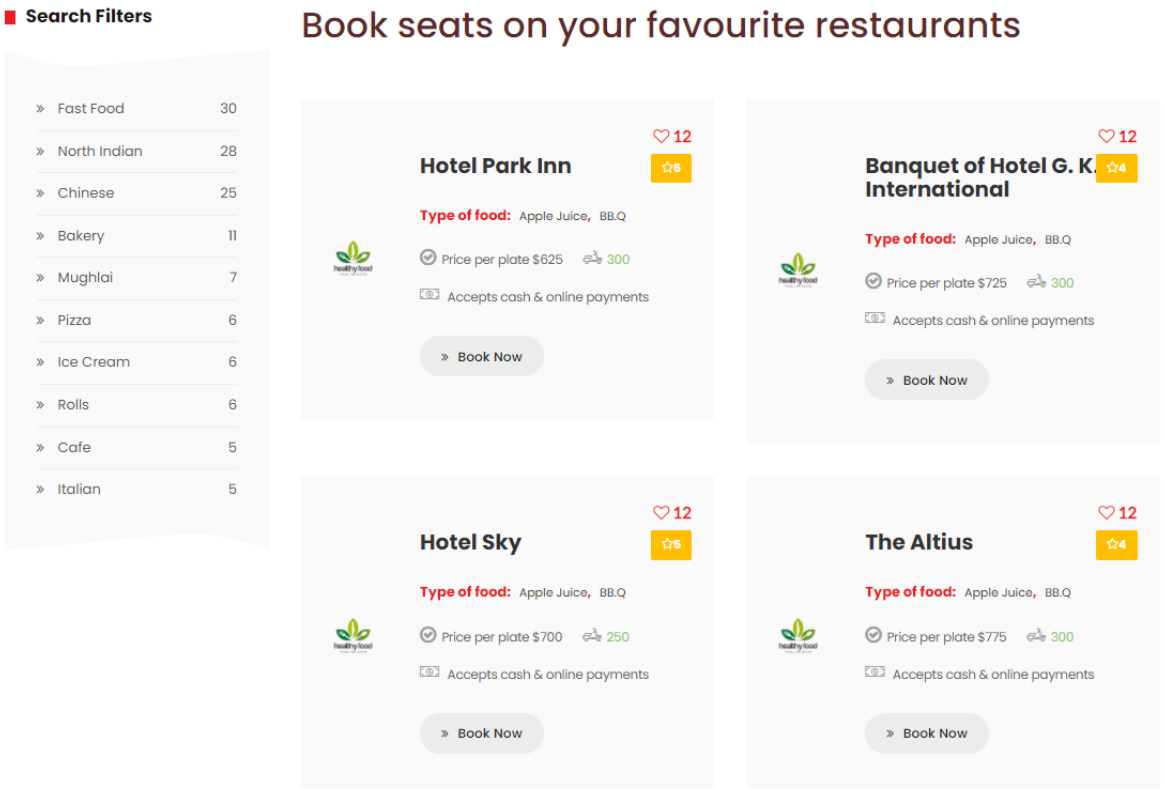


AI MODEL
#Cosine Similarity

```
import pandas as pd
import numpy as np


def getrec(inp):
    df = pd.read_csv ("modified.csv")
    df1 = df.drop(['name'],axis=1)

    List1 = df1.to_numpy()
    List2= np.array(inp)
    d = (np.linalg.norm(List1, axis=1) * np.linalg.norm(List2))
    similarity_scores = List1.dot(List2)/d
    similarity_scores = similarity_scores.argsort()
    similarity_scores = similarity_scores[::-1]

    rest = df.iloc[similarity_scores].name.head(10).to_numpy()
    return rest
```

A quick look at the project

User gets the best recommendation



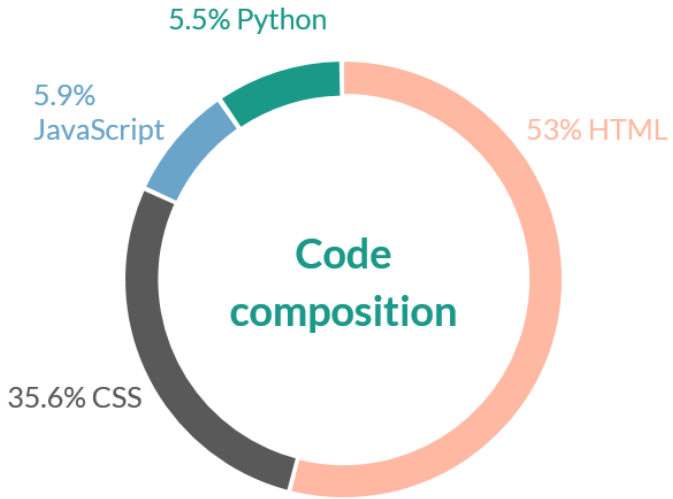
Implementation Details

At Backend we used Django framework

AI recommendation system was trained with local restaurants of Chandigarh

Attributes : ratings, location, capacity, Budget

Frontend : HTML, CSS, JavaScript



CONCLUSION

- FoodFox is the initiative where user can book the restaurant in advance

- Recommendation via AI helps in predicting the suitable restaurant for the user

- Convenient for both user & restaurant

FUTURE PLANS

- ➔ Add more number of cities so that foodfox can be used at national level
- ➔ Add Payment feature
- ➔ Add GPS functionality
- ➔ Prime membership – for more offers
- ➔ Introduction of restaurant management in website

THANK YOU