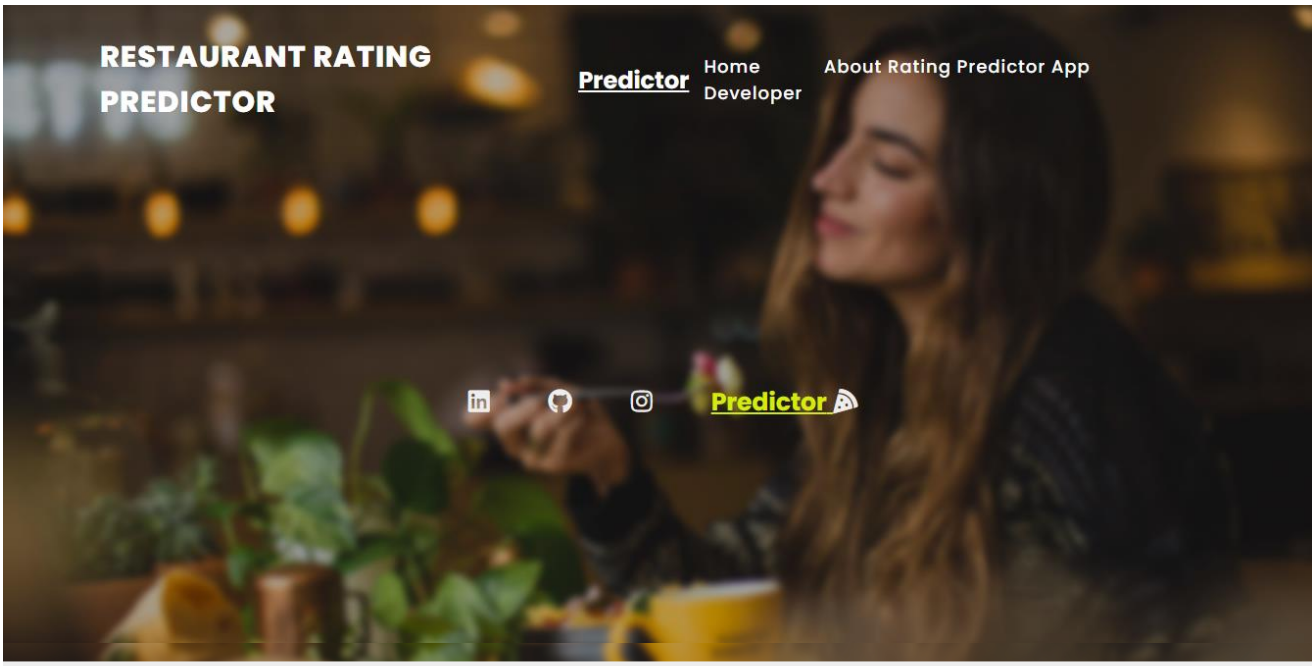
Restaurant Rating Prediction

Wireframe Documentation

Homepage

First, we will land into the homepage where we will able to see the details of the application. The social media link, developer details, motive of the applications are mentioned here.

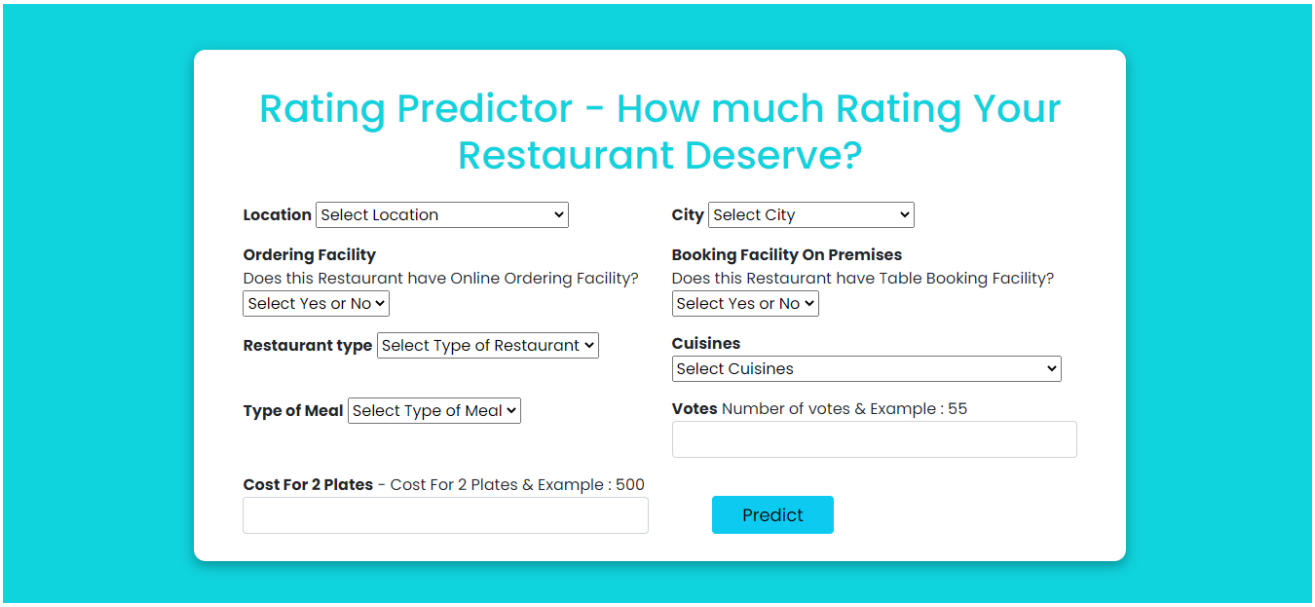


About Restaurant Rating Predictor

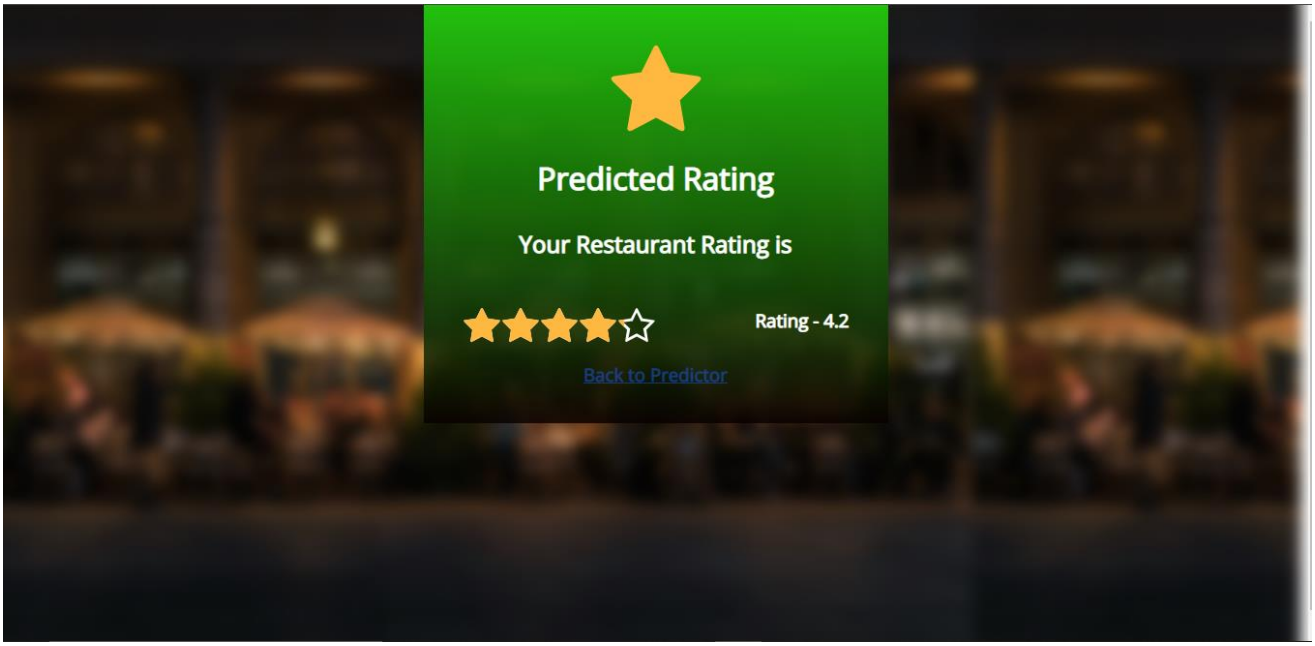
Restaurant Rating Predictor is a web app which has a Machine Learning model running at the back. The purpose of developing this app is to predict the approximate ratings of a restaurant. This model is based on the "Zomato Restaurant Banglore Data". The codes for this project is in my **Github repo**. This predictor application works perfectly for Banglore Restaurants. It can be scaled and extended to all other locations of India. This predictor application uses ML model. We have used Ensemble model for this prediction.Extremely Randomized Trees (EXTRA Trees) is used for this prediction. Extremely Randomized Trees uses the whole original sample instead of bootstrap replica(random sampling with replacement). It will reduce bias. Choosing randomly the split point reduces the variance. Computaion time for Extra trees is much faster than the Random Forest Regressor. It is faster because Extra trees randomly chooses the split point and does not calculate the optimal split like Random forest . This predicts the rating 93% accurately.

THIS PREDICTOR WORS ONLY FOR BANGLORE . IT CAN BE SCALED AND EXTENDED TO OTHER LOCATIONS IN FUTURE

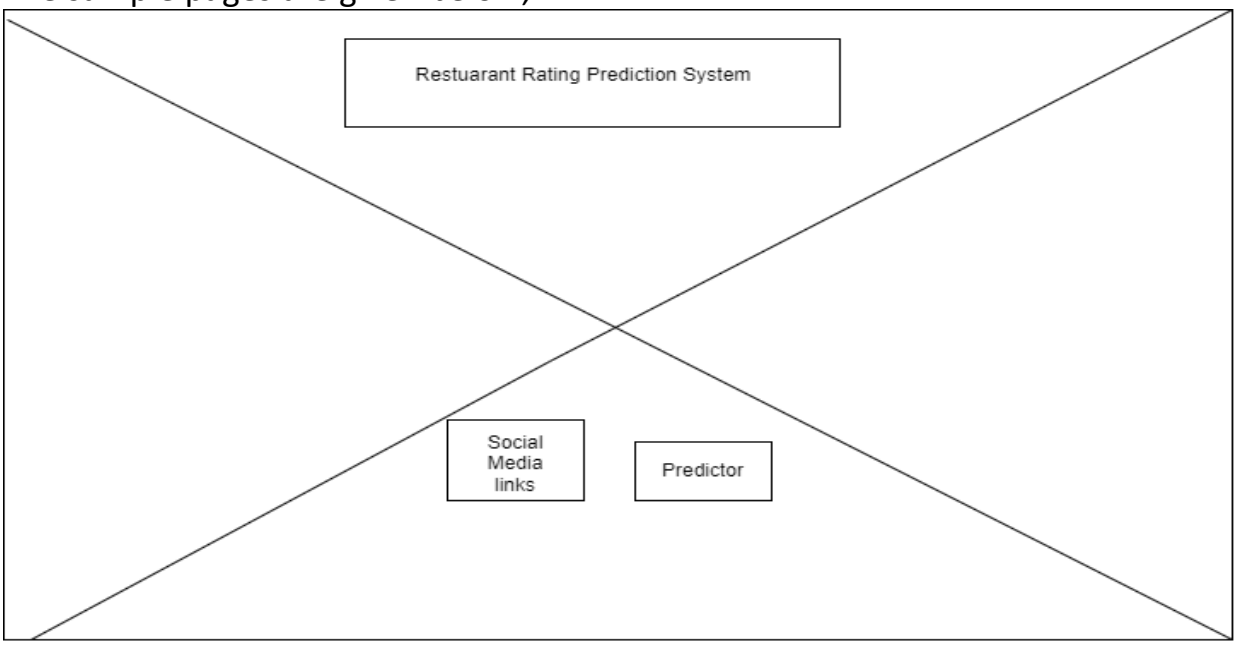
The User will able to see the Restaurant Rating Predictor Link. After clicking the link, it will be redirected to the main page.



Based on User's input, Rating Predictor system will provide rating to User on another page. A sample view result page is here,



The sample pages are given below,



The **Crossed Sections** in above sample can be used for images of food & restaurants as background to give user a good experience.