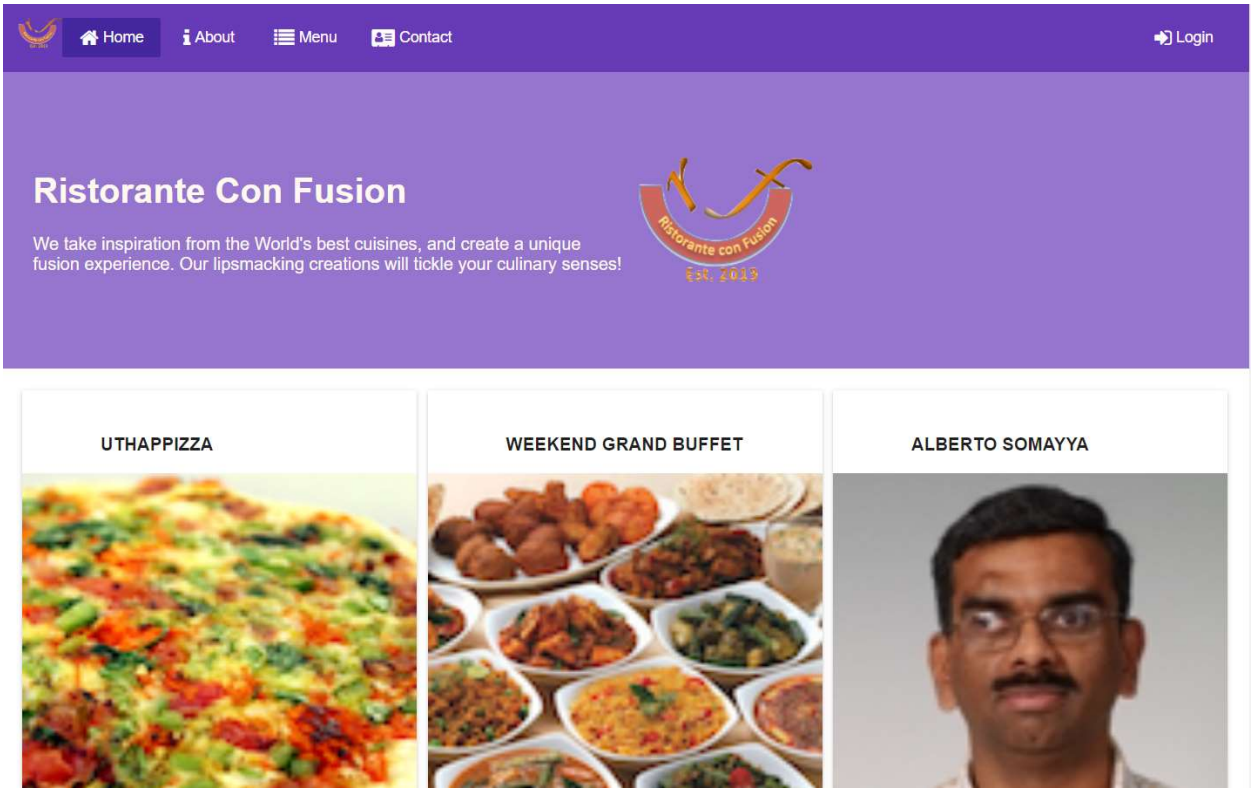
Final Report

Ristorante Con Fusion – A restaurant App



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1. Introduction

Summary

Ristorante Con Fusion it's a famous restaurant for fusion foods. In this web application user can view the featured foods, chef and details about the food with single page application and, the clear navigation that will enable users to quickly get the food and review details.

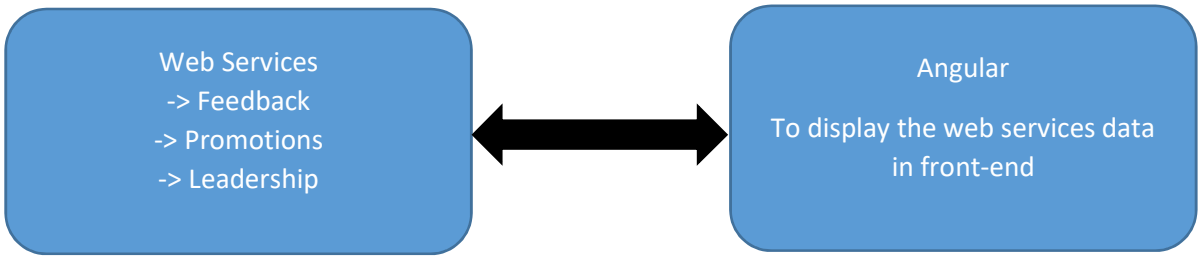
Features

- Featured dish, promotion and leaders display in homepage.
- Nice UI interaction between the pages like on data request loading the spinner and ease in/out for view pages.
- Comment review in action.
- Rating slider for users.
- User friendly error reporting.
- Storing the feedback details web services.

2. Design and Implementation

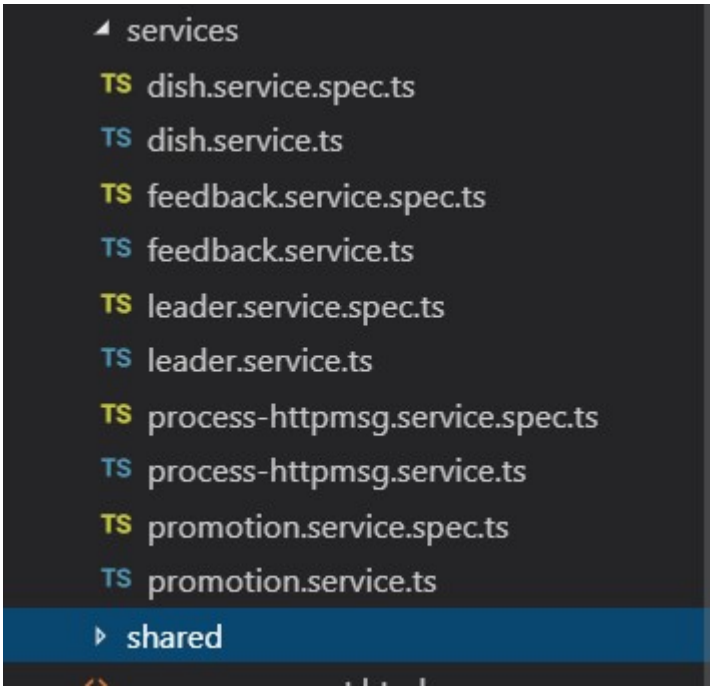
System Design

The system is design around the data model of feedback, promotions, leadership and dishes. The system contains multiple comments which was posted by the users. Each dish contains multiple comments.

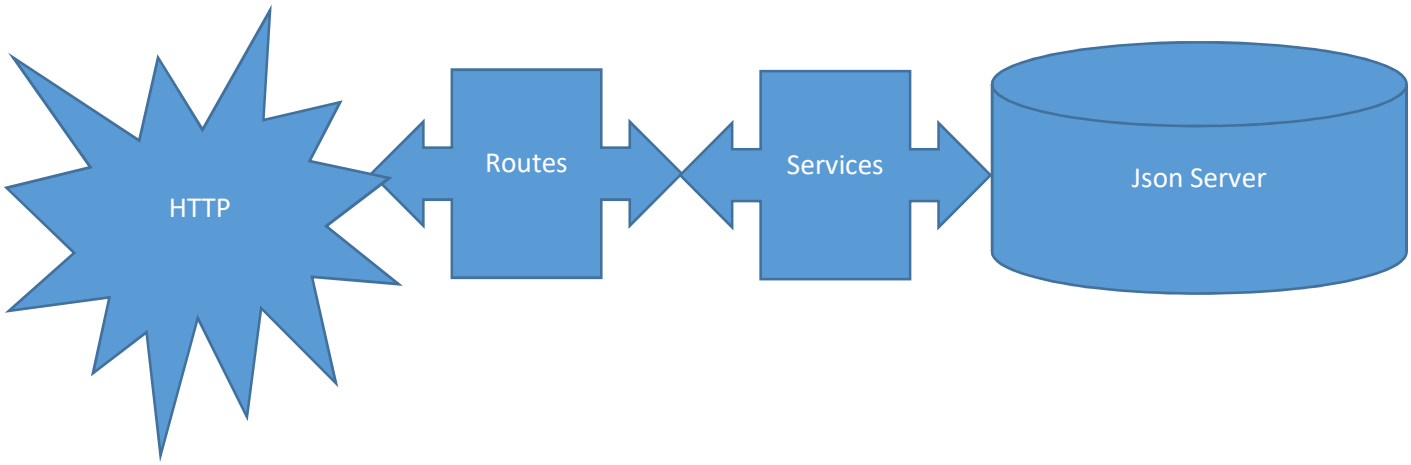


Implementation

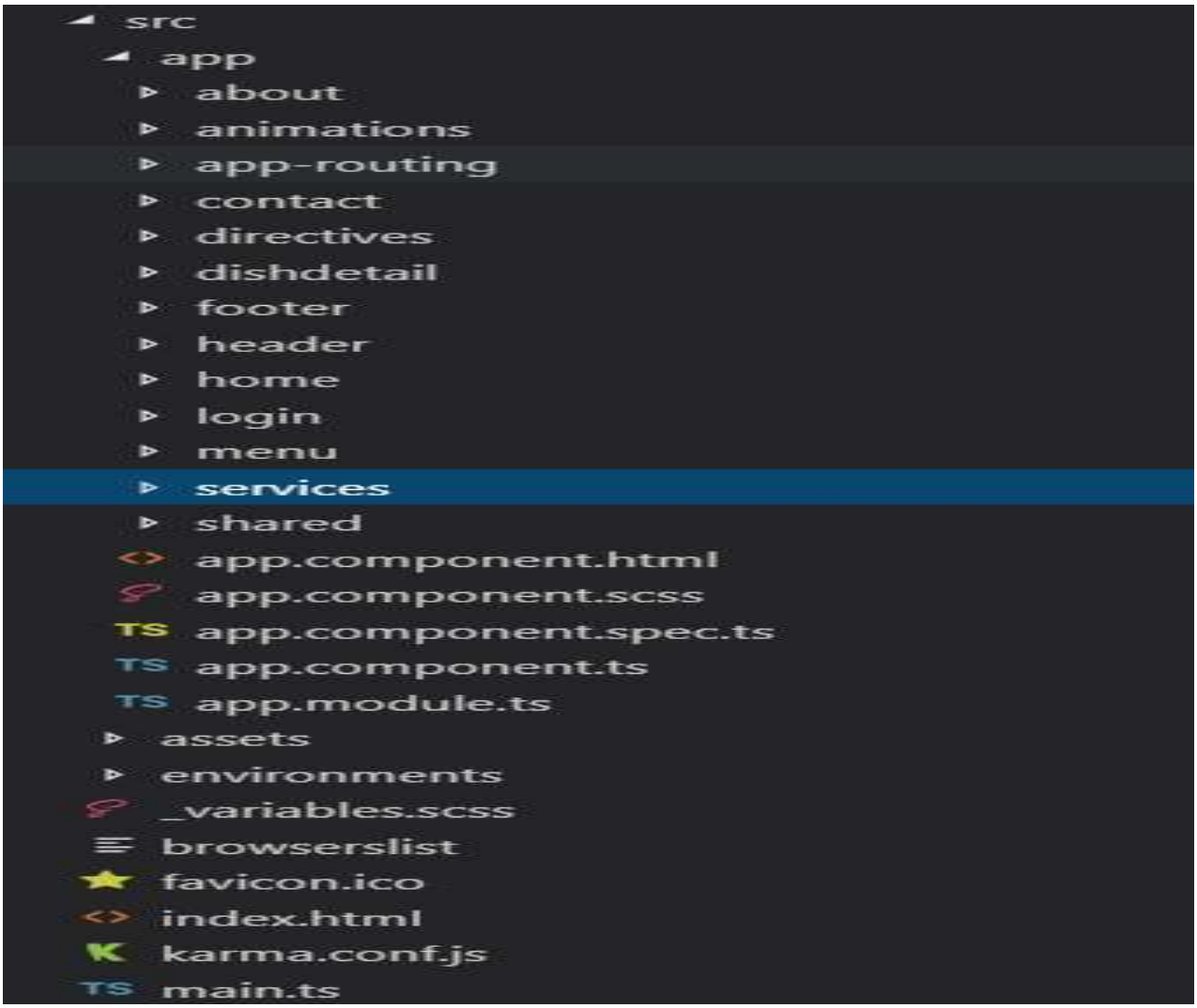
Backend



"Services" contains helper services and business logic. This package stands between the REST endpoints ("routes"). Those endpoints define the URLs and HTTP methods to interact with the backend. There's a separate router for each data model.



Frontend



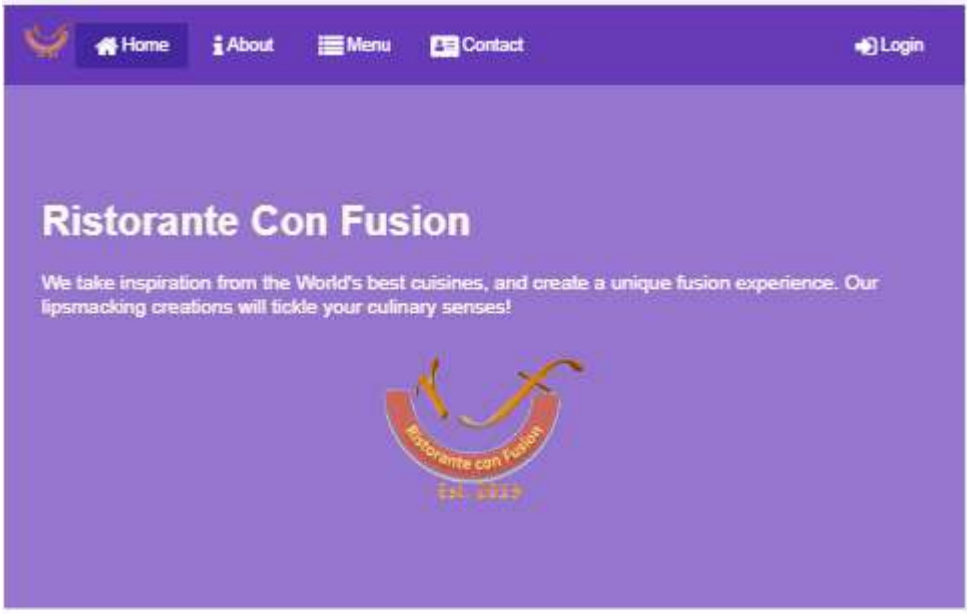
The frontend is based on components which have been introduced in Angular. A Component concludes controller and HTML partial to a new HTML element. This is useful to encapsulate behavior in single independent modules.

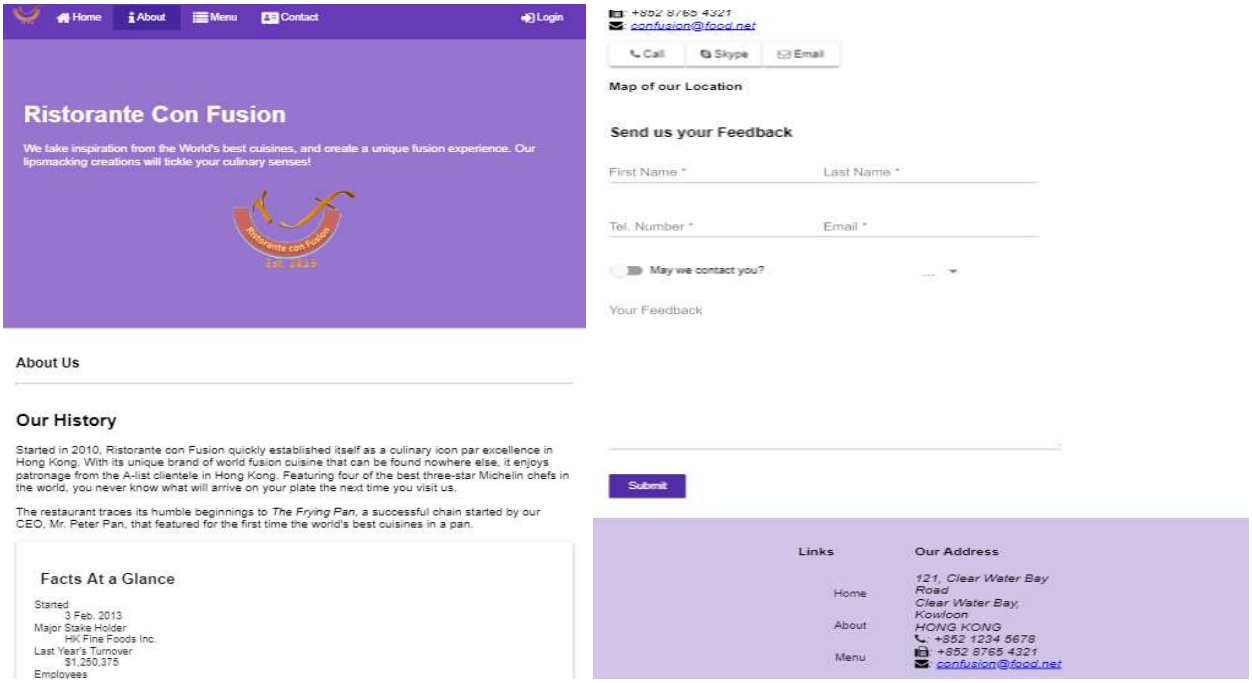
Read more at: https://angular.io/docs

Libraries

- **Angular** as frontend library to implement the single page application
- **Angular Material** to design the application
- **JSON-server** to serve the services
- **Protractor** to write unit test for the backend
- **Process HTTP msg** to display http error message.

Screenshots





Conclusions

- I was able to implement the main features of the project. Users can create boards, write messages and edit them later on.
- The most difficult part to implement was the service layer. Promises was new to me, so implementing the services with the corresponding read and write methods took some time.

Reference

- Tool used to draw the UI mock-ups
  https://balsamiq.com/wireframes/
- Angular complete tutorial
  https://angular.io/docs
- CLI commands
  https://angular.io/cli
- Angular Material tutorial
  https://material.angular.io/guides