Lunch Finder Application Development Plan

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Happy Lunch

Description

This application will be used to order lunch in office environment. Specially where there is industrial / office area and only a couple of restaurants are there round the corner. The restaurants have few number of food options they offer in Lunch menu and it is always packed on the lunch time as everyone is hitting the restaurant.
This application will help the customers to view and order the food for lunch without standing in the long queue and looking at the daily specials from all the participating restaurants. Customers can view the daily specials and can browse the regular menu and choose what fancy them. It'll also show the price and the waiting time before they can pickup the food.

Intended User

Intended users of the application are office workers in places where there are large offices around and only a couple of restaurants exists nearby.

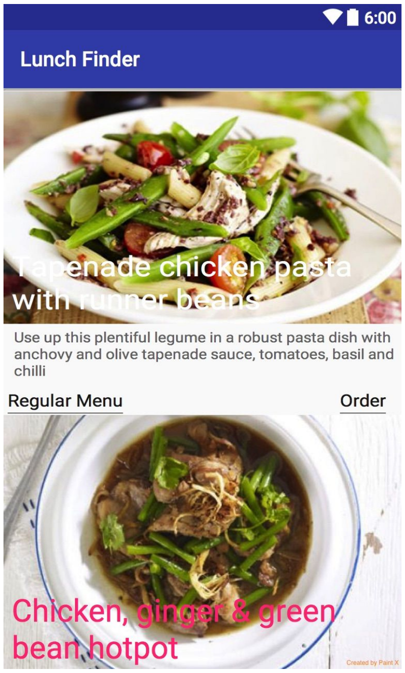
Features

The major features provided by this application are listed below:

- View Dish of the day from all participating Restaurants
- View Dish of the Day's details
- View Regular restaurant menus
- Save personal details
- Order food
- Notify when to collect the food
- A widget control to display the list of specials

User Interface Mocks

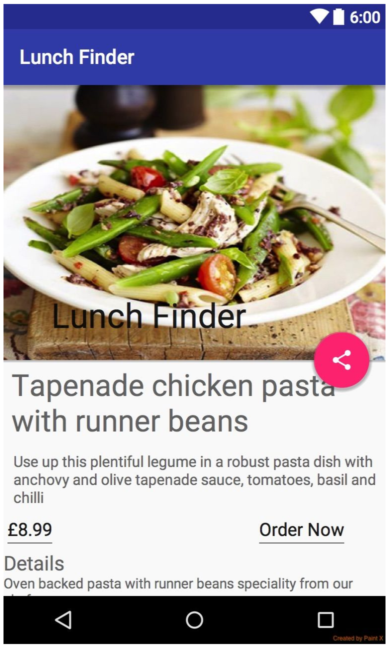
Screen 1


6:00
Lunch Finder
Tapenade chicken pasta with runner beans
Regular Menu
Order
Chicken, ginger & green bean hotpot
Created by Paint X

Use up this plentiful legume in a robust pasta dish with anchovy and olive tapenade sauce, tomatoes, basil and chilli

Dish of the day from each of the category will be listed in cardviews.

Screen 2

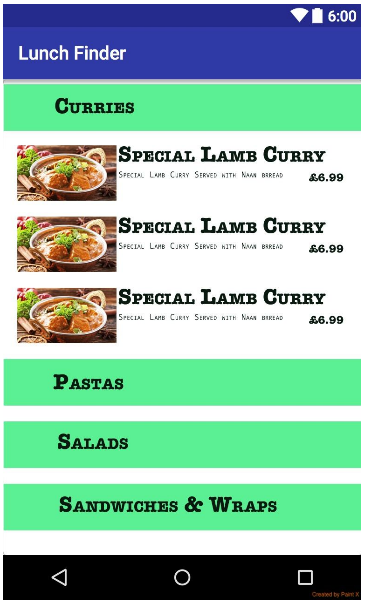


Use up this plentiful legume in a robust pasta dish with anchovy and olive tapenade sauce, tomatoes, basil and chilli

Oven backed pasta with runner beans speciality from our

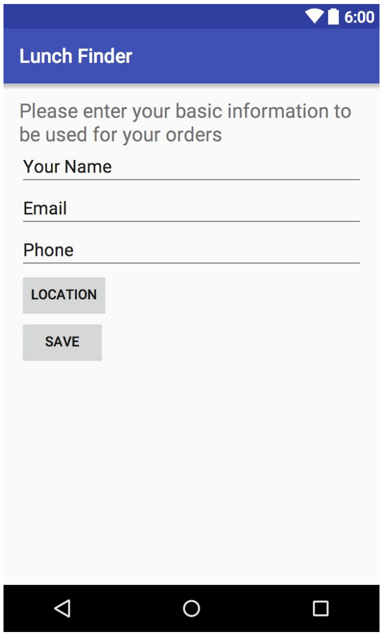
Details of the dish of day with instructions, price and waiting time along with sharing options and order functionality.

Screen 3


6:00
Lunch Finder
Curries
Special Lamb Curry
Special Lamb Curry Served with Naan bread
£6.99
Special Lamb Curry
Special Lamb Curry Served with Naan bread
£6.99
Special Lamb Curry
Special Lamb Curry Served with Naan bread
£6.99
Pastas
Salads
Sandwiches & Wraps

This screen will help to choose something to order from the regular menu.

Screen 4



Please enter your basic information to be used for your orders

This screen will help the customer to save his/her basic details which will be sent to restaurant when placing the order.

Key Considerations

How will your app handle data persistence?

Sqlite will be used to store data on the device. Firebase will be used to load the data from online sources. A background service will be handling the notifications.

Describe any corner cases in the UX.

Any time if a user is not on the home activity pressing back button will take the user to one step up in the navigation. For example If a user is browsing through dish of the day details pressing back button will take the user to home activity.

Widget control will display the list of specials for the day and selecting one option will open the application.

Describe any libraries you'll be using and share your reasoning for including them.

Glide to handle and load images
Firebase client to connect with Firebase

Next Steps: Required Tasks

Task 1: Project Setup

- Create Project in Android Studio
- Create Git repository and readme file
- Configure external libraries

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for Customer Details / Signup

- Build UI for Dish of the Day Details
- Build UI to order the food
- Add UI layouts for Tablet

Task 3: Your Next Task

- Adding Tests for Business logic
- Implement Data Storage
- Save User input data to database
- Link Data and UI
- Create Notification

Task 4: Your Next Task

- Implementing Business logic for loading data from online sources
- Implement widget control
- Implement Error Handling

Task 5: Your Next Task

- App Testing
- Bug fixing
- Application Signing and Distribution