**Restaurant-Finder Project Description**

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Although there are multiple types of restaurant apps on the Android platform, we are going to design a special and user-friendly restaurant app that can find restaurants with multiple methods. Our project name is Restaurant-Finder.

Our application has several hardware features: GPS, Camera, Vibration sensor, MySQL, and Web service.

Both our team members like delicious food and various kinds of cuisine very much. However, like many other big funs of food, we sometimes find it hard and time consuming to find a featured and impressive restaurant. Therefore, developing a restaurant-finder app is really a great idea for all food funs.

Our app is very useful and user-friendly app to be with you when visiting a new city. The app uses the Android Phones built-in GPS to find nearby restaurants. Thus, after you have installed our app, it will get current GPS location information from the GPS device. After you enter our app, you will have two choices. If you are a new user, you need to create a user account before login. If you are a registered user, you can login the app using username and password. By the way, the app has an administrator who has right to initialize all information of our app.

In user page, the default selection is to find restaurants. The app provides three methods to find restaurants, with restaurant name, address, and cuisine, and you can choose to use any one of them. Then, the user page will shows a list of restaurants based on you input information. You can click one of them to go to the restaurant host page or shake the device to choose a restaurant randomly based on the restaurant list.

In addition, in user page, you can select my favorite list. Our app can store a list of restaurant that is added to your favorite list by yourself. You can choose to delete them or click one of them to the restaurant page.

What’s more, our app has another tab called Photo Wall, which can show all photos taken by users. If you click one of them, it will be zoom in and can be slide.

Another key function of our app is that it can find your location and then find nearby restaurant with your current location. With help of this function, you can easily find nearby restaurants even if you are in a new place, which is really helpful when you visiting a strange city.

After you go to a specific restaurant page, you can review all information about the restaurant including its price, address, cuisine, website, phone number and other users’ comments. You enable to make a call using its number or go to its official website to look more information. In addition, you can add this restaurant to your favorite restaurants list so that you will find it quickly by reviewing your list in the future. What’s more, after you have enjoyed the wonderful meal in the restaurant, you may want to record this impressive experience by some comments or photos. Our app provides the function to take a photo with the camera of your smart phone and save it automatically to the web server. After you publishing these, other users can see it and make a decision according to your comments and photos in their photos wall. In this way, you could communicate and share your experience with other big funs of food.