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| **North South University**  Department of Electrical & Computer Engineering  **Project Description**  **Spring 2019** **Project Name : Restaurant Reservation System****App Title : Book My Seat** **Course Code : CSE299**  **Course Title : Junior Design Course**  **Course Instructor : Shaikh Shawon Arefin Shimon ( SAS3)**  **Section : 04**  **Group Number : 02** | |
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Restaurant Booking System is a simple and easy-to-use online restaurant reservation system with all the functionality needed to reserve a table online.  
You can easily manage guest inquiries, send emails and SMS reminders, and accept online payments and much more.  
  
A restaurant reservation software with an easy web based and password protected admin panel accessible from any computer with an internet connection. Through the admin panel even users with no programming skills can manage reservations, table availability and payments and set email auto responder.

**This Week work Progress:**

**Payment Activity:** This activity has the payment collecting features. The payment system we are building with the concept of SSLcommerz payment system. Though it is tough to get their API, but we have implemented the coding and UI part of it. User can pay payment through Bkash, Rocket, MasterCard, visa American Express.

**Food & Restaurant Review Activity:** This activity has the review and choice part. The desired food item from any restaurant that the user want to order or has already ordered once will be shown here.

**Resource file added from web:** We collected image (jpeg, png, list etc.) mainly from by searching on google. Important files are stored in Mockup folder and others are in drawable folder.

**Food Menu List Collected & Created:** We have done some research on well-known restaurant and shop. From there we collected menu list and food list, time schedule of cooking, delivery time. We will analysis the data and will give feedback based on those data to our user. It will help every user to get accurate time seat & food.

**Working Flow on App:**

1. Splash

2. Login

3. Register

4. Navigation

5. Map

6. Firebase

7. Payment System

8. Restaurant List

9. Review Food & Restaurant (done this week)

10. Payment system (done this week)

11. Food menu & list creation (done this week)

**Analysis of our App with customer view point:**

There is no shortage of excellent restaurant apps on the Android platform, but we are going to develop an extremely unique and useful one. Yes, our project name is Restaurant Reservation System based on location.

We loves delicious food and cuisine crazily. However, like many other big funs of food, We sometimes find it hard and time consuming to find a featured and unforgettable food restaurant. So developing a Restaurant Reservation System app is absolutely a good idea for all food funs.

Our app is a great restaurant app to have on hand when visiting a new city. The app uses the Android Phones built-in GPS to find nearby restaurants. So after you have installed our app, it will acquire your current GPS location information from the GPS device. After you log in our app, you will have a welcome flash. Then you will be displayed with the main menu of our app. Now, you could make a choice if you want to use your current location to search the nearby restaurants or you want to use the keyword address you type in to search the restaurants. After you have made your decision and press the search button, the result will be displayed with a lot of highly recommended restaurants. Then you can see the excellent and distinguish features of our app, you could browse a full list of restaurants by cuisine styles you prefer, price range and customers' feedback rate. After you have chosen a specific restaurant and tab that restaurant, you could get detailed information about it, for example, its location, its telephone number, its food menu, its promotion activity, its available coupons, etc. In all, you could make decision according to the list which you like and then enjoy delicious food provided by our Restaurant Reservation System .

If you are hesitating about so many attractive restaurants and could not make a decision, do not worry. Our app could provide a random pick function to help you make a decision. You could choose several restaurants you like most or you do not choose just use all the restaurants on the full list, our app would give you an answer by randomly choosing a restaurant for you.

Another key feature of our app is that after you have chosen the restaurant you like, our app would search for available coupons or promotion activities related with this restaurant on the Internet. If you like the coupons gathered by our app, you could chose to download it and print it out. By using these coupons and knowing these promotion activities, you could plan your deals and make a choice more flexibly and wisely.

After you have enjoyed the wonderful food in our Restaurant Reservation System, you may want to record this unforgettable experience by some photos. Yes, we have prepared this service for you on our app. You could take a photo of the delicious food or the beautiful restaurant by using our app. Then you could easily upload these photos to your Facebook or twitter and share the happiness with your friends and family.

Finally, you are welcome to give a rating or leave a feedback on our app about the restaurant after you have finished enjoying the food. You could write down your feel, your opinion and your advice about the restaurant or you could just give a rate to indicate it is a five star or zero star restaurant. After you publish these information, other customers could see it and make a decision according to it. In this way, you could communicate and share information with other big funs of food.