Monkey Meals Application Developers

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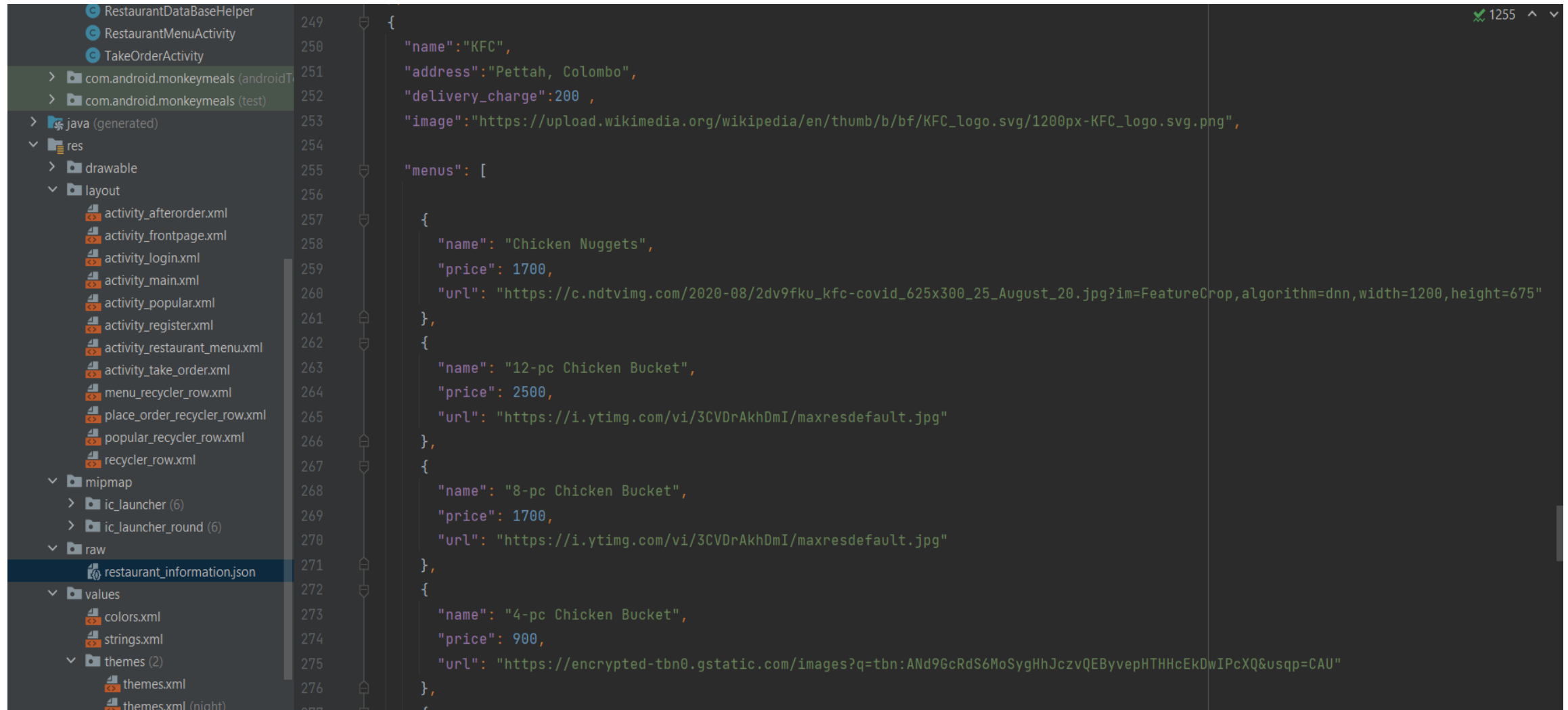- Navullage Nethmi Nawanga Silva
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Adding A New Restaurant Into The App

- We have accomplished addition of a new restaurant in two different ways ;

1. Through A Json File

2. Through the code to update the SQLite Database.

The Json File

```
{
    "name":"KFC",
    "address":"Pettah, Colombo",
    "delivery_charge":200 ,
    "image":"https://upload.wikimedia.org/wikipedia/en/thumb/b/bf/KFC_logo.svg/1200px-KFC_logo.svg.png",

    "menus": [

        {
            "name": "Chicken Nuggets",
            "price": 1700,
            "url": "https://c.ndtvimg.com/2020-08/2dv9fku_kfc-covid_625x300_25_August_20.jpg?im=FeatureCrop,algorithm=dnn,width=1200,height=675"
        },
        {
            "name": "12-pc Chicken Bucket",
            "price": 2500,
            "url": "https://i.ytimg.com/vi/3CVDrAkhDmI/maxresdefault.jpg"
        },
        {
            "name": "8-pc Chicken Bucket",
            "price": 1700,
            "url": "https://i.ytimg.com/vi/3CVDrAkhDmI/maxresdefault.jpg"
        },
        {
            "name": "4-pc Chicken Bucket",
            "price": 900,
            "url": "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRdS6MoSygHhJczvQEByvepHTHHcEkDwIPcXQ&usqp=CAU"
        },
```

Json Code Implementation

1. Simply Add the Name, of Restaurant, Location and the Delivery Charge.

2. Then go ahead and add all the meal information including the Name, Price and its image URL.

```json
{
  "name":"KFC",
  "address":"Pettah, Colombo",
  "delivery_charge":200 ,
  "image":"https://upload.wikimedia.org/wikipedia/en/thumb/b/bf/KFC_logo.svg/1200px-KFC_logo.svg.png",

  "menus": [

    {
      "name": "Chicken Nuggets",
      "price": 1700,
      "url": "https://c.ndtvimg.com/2020-08/2dv9fku_kfc-covid_625x300_25_August_20.jpg?im=FeatureCrop,algorithm=dnn,width=1200,height=675"
    },
    {
      "name": "12-pc Chicken Bucket",
      "price": 2500,
      "url": "https://i.ytimg.com/vi/3CVDrAkhDmI/maxresdefault.jpg"
    },
```

Why Implementing Using a Json File

The Reasoning behind the usage of Json file is because it is ;

- Comparatively simpler for adding a new restaurant's details than in a strings.xml file or hardcoding into the code itself.

- We recognize that a Json file makes data transfer over the internet faster and easier because a Json file stores all the data in an Array.

Using SQLite Database

	RestaurantName	Address	ImageURL
	Filter	Filter	Filter
1	PizzaHut	Wattala,Gampaha	https://upload.wikimedia.org/...
2	Subway	Navamawatha,Colombo	https://www.subway.co.id/wp-...
3	McDonalds	Ratmalana, Gampaha	https://miro.medium.com/max/...
4	Burger King	Wellawatte, Colombo	https://upload.wikimedia.org/...
5	KFC	Pettah, Colombo	https://upload.wikimedia.org/...

SQLite Code Implementation


```java
        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_frontpage);


            getSupportActionBar().setTitle("Monkey Meals");
            nextButton = findViewById(R.id.next_button);



            RDB = new RestaurantDataBaseHelper( context: this);


            nextButton.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {

                    /*ADDS THE RESTAURANT INFORMATION INTO A DATABASE*/
                    Boolean checkRestaurant = RDB.checkRestaurant( RestaurantName: "PizzaHut");
                    if (checkRestaurant == false) {
                        RDB.insertData( RestaurantName: "PizzaHut", Address: "Wattala,Gampaha", ImageURL: "https://upload.wikimedia.org/wikipedia/commons
                    }
                    checkRestaurant = RDB.checkRestaurant( RestaurantName: "Subway");
                    if (checkRestaurant == false) {
                        RDB.insertData( RestaurantName: "Subway", Address: "Navamawatha,Colombo", ImageURL: "https://www.subway.co.id/wp-content/uploads/20
                    }
```

Instructions For SQL Code Implementation

- Simply Go to The "Front Page Activity" of the App, then add the necessary Information like the Name of Restaurant, The Geographical Location and The Image URL Respectively.

```
checkRestaurant = RDB.checkRestaurant( RestaurantName: "McDonalds");

if (checkRestaurant == false) {

    RDB.insertData( RestaurantName: "McDonalds", Address: "Ratmalana, Gampaha", ImageURL: "https://miro.medium.com/max/1200/1*SwiuCuVgv800wNYY

}
```

Some Backround Information about the Application

- The Application utilizes a Json file, then extracts all the Restaurant Information(Ex: the name of restaurant, Geographical Location of Restaurant and the meals available), and present in the Application.

- The SQLite Database is used to track and record the necessary Information in an Organized manner which will be vital for Query Searches.

The End

- If You Followed The Above Demonstrated Steps, You will have successfully added Your Restaurant's Information Into the Monkey Meals Application