Android Based My Discount Offer Application

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Abstract –The android application is called MyDiscountOffer which is used to provide local restaurants,shops and other grocery shops which profile discount like 10%,20% discount and stick that offer in the shop but this offer is known to people who visit the shop not the other people.In our application user just needupload the picture of the discount offer from the shop in which they visited,they can also provide the link of the shop in the app.A user in our app can browse the discount offer in the app.

Keywords – Discount, offer,firebase,Location,details,Upload image,

I. INTRODUCTION

MyDiscountOffer provides an interface for the user to browse the discount that the local shop,restaurants provides weekly or during weekend,User can browse the app the see offer no login is need to use the app.Some local shop don't want to advertise the offer because they need to pay for that but they can put the offer in our application for free of cost no charges will be taken from them.The app is easy to use user who visit the shop in which they provide the discount,user need to take picture of that then in our app he need to upload the image and need to add description optionally he can add the link of the shop from Google maps for betternavigation and to know the shop where exactly is.

After user upload image it will be stored in database every image has unique id.User need to navigate to browse activity to see the discount offer listed in the app and also we can directly exchange the shop materials.this app will helpful to the people ecause they directly got the location of the local shops and restauarnts.this app will support the both online and offline transaction also everyone can see the item list no necessary to loginso that MydiscountOffer using Android is very helpful to the people.

Literature Survey

Title: "Mobile app development for the Indian market,"

Author: R. D. Sadafule,

Publication: IEEE Software, vol. 31, no. 3, pp. 17-20, May-June 2014.In this paper it gives idea of different apps which are used by Indians in recent times to make decisions how the app and what are the requirements and how the apps looks same even though internal process is different

Title: "Design and Implementation of an Android Application for Smart Shopping,"

Author: R. K. Megalingam, S. Vishnu, S. Sekhar, V. Sasikumar, S. Sreekumar and T. R. Nair,

This paper defines the Navigation process and with the items at a particular location which can be identified easily and also avoiding queue for bill paymentMust provide interface to upload imagesMust display the offer in the browse activitySoftware shall provide interface to add imagesSoftware shall provide the gallery navigation for image uploadSoftware shall accept all kind of image format software shall provide interface to add images and shall provide gallery navigation to for image uploaded and also it will accept all type of image format and it will store image in the database.

II. PROBLEM DEFINITION

MyDiscountOffer Using Android is an Android application which is used to simplify the existing Navigation applications to make it as user friendly and easy to use.

Existing applications have the tendency of show overall service to the users without any categorization. User need to do search process for the specific categerisation in the app and it will categerisation like local shop and restaurants.

Proposed System has features like categorization which helps users an easy way of touch and access the most required and services which are needed by the users are classified into different sectors. Due to classification there is no need of user to type the services it can be accessed quickly by the interface just by clicking on it and reducing the radius of distance to access the location available services also helps to display the reduced number of options and which do not make user to feel clumsy and search bar is also provided in the application which can be used to search other materials and can check discount percentage and other overall options which are provided by the maps. So, there is no need to move to other applications for other options, other applications are also can be searched from the same application.

In the proposed system user needs to register an email and SMSverification will be done before login then user can use these services for use, services here defined are used during the login time and then it will have the options like upload image and show the discount facilities like different local shops and restaurants and we can add the images in any format at the database and if any changes in the discount also we vary that one and it will provide the lockable user interface.

In this android application user can manually add the location like longitude and latitude it will help to search by the google map very easily and also add the street name and shop name so that it will help to user can easily find the location so that this app is user s can get very much help from this android application.

III. METHODS

The Process consists of Registration, once the user is registered successfully with Email verification by using the same mail user can login, after logging in user can search for any of the services whenever needed, services are like local shops and restaurants, etc.discount will be displayed when user selects the items or restaurants and user can select any items in the database or user interface and can get directions to that location by using Google API's.
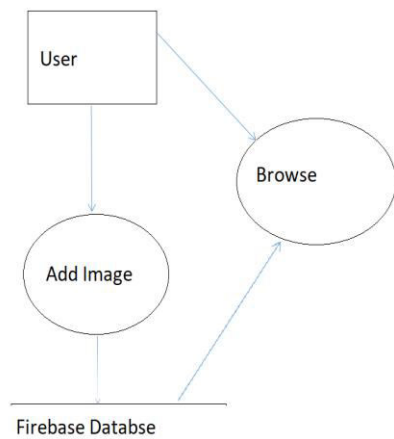

Fig. 1 Architectural diagram of Process

Tools and Technologies used

Platform: Android Studio
Framework: React-native
Language: JavaScript
SDK's: Google SDK's

Modules Used

Registration: Used to verify user
User: Actor who uses the application
Choose Image: it will use for the select the images from the gallery in the mobile or in the laptop we can select from the any folder
Details: in this we can provide the all details about the shop and discount of the materials.
Direction: Shows the direction to the user location by using google API's.
Upload Image: it will help to the upload the images to the database.
Show Offers: it will show the all offers, and discounts displayed in the database whatever we uploaded.

IV. RESULT ANDDISCUSSION

The results which occurred by implementing this application is that it avoids clumsiness by categerisation of the different subtasks like local shops and restaurants in that we can search which items we want then it will show the location and also show the discount of the materials and also it will provide the longitude and latitude of the local shops and restaurants so that we can search in the google earth and also get the location information also easily if any damaged we found in the item we can directly exchange immediately but in the flip kart and amazon we wait for the distributors so in my app no necessary of distributors we can directly go to the shop and exchangeavailable with in a particular location .

V. CONCLUSION

This paper presentsthe solution to the problems like provides platform for local shop to add offer which they give in their shop, but they don't want to spend money on advertise. In our app user can add images of the offer which they see in the local shop they can put these images in our application. User can browse the offer and proceed further actions

VI.FUTUREWORK

The proposed project is with the view of making services at ease and mainly with the discount services, this application is limited only for local shops and restaurants but if there is no discount for the items then we cannot use this app and also we can use the google map for the inbuilt supporting app for my applicationand user needs to access search bar to find, to avoid the the time waist of individual checking items which one is this we can directly search the items in the search bar.
In the same way categorization can be made for different services and can be extended to most used services by analyzing which ever services are used by people, voice assistance can also be made for search module to make it easier.

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