"Food Factory"- An Android App

Shivam Mewade[1] , Shivkaran Deshla[2], Gopal Tanwar[3]

Computer Science and Engineering,Acropolis Institute of Technology and Research, Indore.

ABSTRACT:-

The Food Factory is an Android Application which provides withdifferent Cooking recipes of varied Cuisines classified under vegetarian, non-vegetarian andvegan for user comfort. It can be said as a digital Cook book application where it calculates thequantityof Ingredients asper number of people along with an image of the dish.

Introduction

The Food Factory App is a mobile application which displays cooking recipes depending on theuser's preference from the different categories of Cuisines. Unlike Cook-books, change in thequantity of ingredients and other constraints reflects as the number of persons for whom the dishis to be prepared.

Problem Formulation

This would be very helpful application to the younger and modern generation,most of which find cooking difficult or to remember the recipes of different cuisines speciallystudentswhoarelivingaway fromtheir home forstudies. Theycan cookandenjoy thosedishes.

Solution Proposed

The main result of this application is that without wasting time on searching different dishes of different cuisines on various local and outdated platforms and sites the person can directly approach Food Factory and can operate on its user-friendly application. The content available will be legit and also with its feature person can set the number for how many peoples food is to be prepared. According to the research color affects the mind as green color brings soothing and calmness similarly red and orange colors increases hunger. Thus we have used shades of orange in our app.
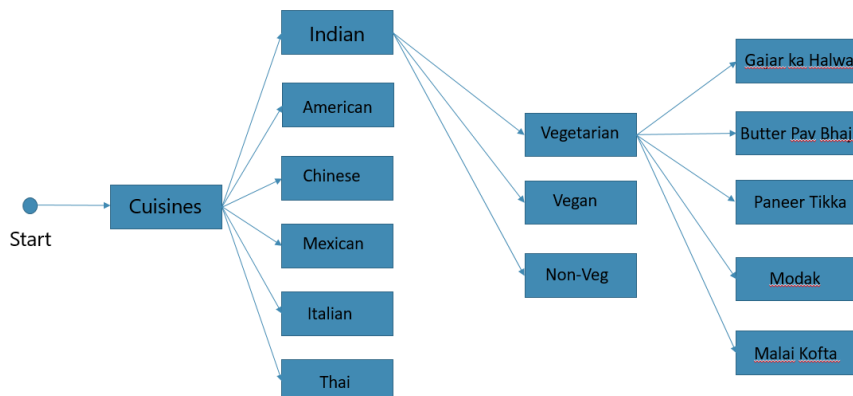

Figure to Show the flow of the application, Food Factory.

Implementation

The implementation is as follows

1.Theuserwill enter the app and the starter page will bevisible to them which consists the app name and logo.

2. After a few seconds the home page of the app gets loaded.

3. At the home page we have the varied cuisines section which include the American, Indian, Chinese, Italian, Mexican and Thai food categories.

4. When the user clicks on a particular cuisines he/she is directed to the next page i.e. the categories page.

5. There we have three categories vegetarian, non-vegetarian and vegan.

6. On selecting a category there the user will find list of five dishes.

7. The user can choose his/her dish and find its recipe.

Methodology

The project follows the basic methodology for project development which started with ideation and planning. The planning part gave much clarity to the project and help visualization of its outcome properly. While designing the application User-convenience is kept in mind.

This is followed by requirement gathering and better selection of components and technology. After it's finalizing the development of the project gets stared where basic structure is built as planned. Later on the project's functionalities are added and made sure that are working and responsive. The changes made while input should reflect in the output of the process.

Now loose ends and completeness of the project is checked and corrected like-wise. Before marking the project work as final it is reviewed and presented for feedbacks. Feedbacks and suggestions must be considered and after its completion it's finally tested. And now then we have the final and complete project.

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Conclusion

The Food Factory application is a flutter based application which provide its users recipes basedon their preference and as per the number of person for whom the dish is to be prepared thequantity of the ingredient changes also other parameters like temperature, heat flame and thetimingtill which it needs to beperformed.

References

For most part of the designing and developing of the project referred books are:

[1]. Beginning Flutter: A Hands on Guide to App Development – Marco L. Napoli

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Authors

First Author – Shivam Mewade, Acropolis Institute of Technology and Research, Indore

Second Author – ShivkaranDeshla, Acropolis Institute of Technology and Research, Indore

ThirdAuthor– Gopal Tanwar, Acropolis Institute of Technology and Research, Indore.