



Indian Institute of Information Technology, Vadodara

Project Proposal

BIMS' KITCHEN

Web-Portal and Android Application

IT Team-03

Team Members :: Sharad Patel
Prateek Paliwal
Aniket Raj
Rajeev Singh
Mayank Maurya
Mayank Sharma
Ravi Kishan Jha
Vaibhav Anand
Prashanth Adigopula

Written By: Sharad Patel and Prateek Paliwal
Reviewed By: Prashanth and Vaibhav Anand

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I. INTRODUCTION:

According to recent report by Counterpoint Research, India has become the second biggest smartphone market in terms of active unique smartphone users crossing over 220 million users. Nowadays smartphone is just like an extension of our body, we use it for gaming, social-networking, mails, music, reading and many more. On an average, the time spent by an individual on smartphone is increasing day-by-day. Smartphone has become more of a necessity than a luxury and so is food.

What if we combine the two requirements into one. So we planned to develop an android application for BIMS' " which is a start-up and is basically a night kitchen which provide food during night time and to give more digital exposure we decided to make a web portal which will be informative in nature. We plan to create an online food ordering android based application which will facilitate basic functionalities by which user can easily access food at his/her place.

II. TARGET AUDIENCE:

Technology is not bounded to any one category of society. It is accessible and available to everyone. Having smartphone is the basic criteria to access an application. There is no socio-economic criteria or division of people and anyone can use application accordingly. In short you are a " Target " if you're hungry.

III. BACKGROUND STUDY:

Now a days, every restaurant or food provider has their own website and most of them have an android app too. It is beneficial for the customers as they will get updates about special offers and prices. They can track their orders and can get to know if delay happens and also the reason of delay.

Our client, BIMS' Kitchen is a night kitchen. It delivers food at night. People are really appreciating their venture, but in our background study we found out that BIMS' kitchen has only two things on digital media, first a Facebook page which is highly inactive and a Justdial page which is more or less the same. Currently if someone wants to place an order, one can say hi on their Whatsapp number and then he/she gets a reply showing the menu image and then one can write the order.

In this system, if various users try to order simultaneously it becomes difficult to attend each customer and it gets more difficult as number of customers increases. Also the user cannot track his/her order. As a solution for these various problems, we decided to make web and android application for BIMS' kitchen so that it can fulfill its customer's demands and can have a digital exposure. It is very convenient and reliable to place orders via android app. And users are also expecting its android app, so we thought to give them one with basic and some additional functionalities. As we are also customers of BIMS' Kitchen and we know what a user needs.

IV. OBJECTIVE:

- To provide a digital platform to the client(BIMS' Kitchen)-As we know, currently BIMS' kitchen is not having any digital exposure so it will be meaningful to provide one.
- User should be able to access the content and order at any time(within time-limit)-If the cell phone with the Whatsapp number gets off for some reasons users can't place order during that time so this problem will be solved.
- The client should be able to easily handle multiple number of orders at the same time. In current scenario if there are multiple orders at same time it leads to a inefficiency.
- To provide an interactive user interface to customers for ordering, a good user interface plays a very important role in any application's success. It gives them the best user experience.
- User should be updated about new items and offers. By the app, users will get notified about new offers and items which would be directly updated by the owner using his end app.
- Simplify the ordering process and make it more reliable.

- Make users able to give ratings and feedback. By this, they get to know what the users want, what are the drawbacks in current system and can suggest improvements.

V. APPLICATION FEATURES AND DESCRIPTION:

- The application's home page would be provided with two options of register / sign-in user and use as a guest(on the temporary basis). The log of the user would be used for the recommendation of food and offers based on previous orders.
- Application would consist as a "menu" page which includes all the list of food items and their description. The food will be categorized into two- vegetarian and non-vegetarian, so as to facilitate the customer in selecting the desired food item.
- Application would provide a great and fluid user interface, thus the user can browse inside the app with ease.
- Application cart can be used for collecting the desired food and manage accordingly for later ordering, such as adding and removing undesired item from the list, increasing the quantity of different food items.
- There would be two kinds of application developed in this project. One for the Owner/Administrator, so that he/she can upgrade the item details like and adding new food item, removing old and unwanted items, new offers, price manipulation, etc. and same application will have another extension for delivery guys so that they can track the location of their customers. Another application for user by which he can just select-order-track and enjoy.

VI. SCOPE:

- It is very easy to use so there will be huge number of end users.
- It will provide a digital platform to such startup and will encourage them to grow and improve and will also motivate other startups to bring their products into the virtual world.
- According to the survey people need such an applications to be built.
- This project has several future scope. Now we are making an application which will fulfill our present needs but we can extend our application with more advance features.

VII. RISK FACTORS:

The following risk factors are identified:

- There may be chances of not being able to satisfy user's expectations.
- There will be a risk related to security of database.
- Risk of unsustainable user-growth i.e if more number of users will start using our app then we

may get stuck supporting hundreds of thousands of users.

- If we do not understand client's requirement properly then it will lead to improper technical solution.
- Application should be more user interactive otherwise there will be less number of user involvement.
- Since, we have less experience in developing and managing projects so there may be some problems related to managing things.
- Projects completion may take more time than usual because we are new to the technology.

VIII. CHALLENGES

- 1) Major challenge will be to deliver the working model within the given time.
- 2) The working model requires lot of technical learning and major part will be to implement it.
- 3) Since we are treating a live customer, there may be possibilities that he want's to impart specific changes within short intervals in which case there would be a lot of delay.
- 4) Creating an interactive user interface along with creative and innovative functionalities is major challenge.
- 5) Deployment of an application is one of the major challenge as will require making application available to everyone.

IX. PROJECT TIMELINE

Our project consist of Web-Portal and an Android Application which will require 2.5-3 months to complete, as this requires lots of technical expertise. Firstly the documentation part which requires project planning, including survey, system requirement analysis, SDLC models etc, will take 2-3 weeks. After that design will take 1 month which will include layout, frontend-backend, user interface. Implementation and testing part will take 2-3 weeks which will include the satisfaction of end customer (i.e. BIMS' Kitchen). In short this project is large enough to carry out group activity, learn something new along with producing product which will be in real life use. So it will take 3 months to produce working model.

X. CONCLUSION:

- This project is specifically aimed at ensuring that the user gets faster and more efficient way to access BIMS' kitchen for ordering food.
- We believe that the way we are working on this project will lead to be good product.
- Our intention is to help BIMS' kitchen and end users through our android application.
- The emphasis on making it efficient enough to get launched as official BIMS' kitchen app in the market.

- We believe that our technical knowledge, our management competencies qualify us to make a success of this project.

XI. REFERENCE

- 1) Androids official webpage
<http://www.android.com/>
- 2) Android developer reference
(<http://developer.android.com/guide/topics/fundamentals.html>)
- 3) Goole Maps API
(<http://code.google.com/apis/maps/>)
- 4) <http://w3schools.net>
- 5) <http://www.tutorialspoint.com>
- 6) <http://stackoverflow.com>

XII. **REVISION HISTORY**

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V 0.1:31/8/16	Vaibhav and Prashanth	Sharad Patel and Prateek Paliwal
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