

A STUDY IN IMPLEMENTATION OF HOME SERVICES IN TERMS OF CAKE SERVICE USING DIGITALIZED APP

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Abstract: In the advancing world of technology, Mobile application are a rapidly growing segment of the global market. Mobile application are evolving at a meteor pace to give users a rich and a fast user experience. In this paper we will see how to enhance or improve cake service business. The cake service business works on two main components customer and cake owner or employee. The problem customer faces is that they have to come all the way to cake shop to choose cake which is time consuming and if they order to create customizable cake such as for event there is no way for customer to track the progress of their order cake or they usually call to check progress because of that cake owner also has to keep mobile device near him and tell progress by asking workers which are in charge of making order. So to solve this problem my mobile application solution provide ease of solution for both customer and cake owner where customer can easily choose cake from mobile app or can send photo or details of customizable cake they want which save customer time and solve problem of customer to travel all the way to shop. And when cake owner receive the order it can easily confirm and notify the status of their cake through mobile app and after order is complete they can easily choose whether customer want their order to deliver home or pick from shop.

Keywords: Mobile application, consumer, cake shop, services, solution, order.

1. Introduction

In today worlds, where technology are changing or increasing in all possible ways and mobile phone are evolving and getting smarter to perform all tasks or needs of consumer in faster, reliable and efficient ways because of this consumer are spending most of the time in smartphone and want to do everything from there whether it's to pay bill or shopping etc.

So to expand or grow any business it is getting essential for any business to reach its consumer, as user now a days spending most of the time in smartphone so it's also getting important for business that there services can be access by consumer from smartphone which can be through application or website. Where application is nothing but a software which is set to run on mobile devices,

So to expand cake service to grander scale it is essential to commercialized and make it reach to the consumers with various medium, so the aim of application is to provide support for vendor to expand its business, services and also for consumer to access their services easily and conveniently. Where application will contain user friendly GUI and consumer can easily browse, customize their order cake. After ordering consumer can also track progress and can receive push notification alerts of their order and can have convenient way whether to pick order or deliver to their address. This application will also provide and help the business owner to easily manage the orders and help them to easily notify consumer about their order progress.

2. Target platform

The availability market of android platform is enormous then the other mobile operating system so our application going to be built in android platform which will be big lead and hence means it will be accessible to higher number of consumer as in today market android is consider to be most used and powerful operating system which is also expanding on TV and wearables like watches.

3. Literature Review

Today consumer are more attracted to business that encompasses peer to peer, service provider to client communication like Ola, Google Tez, Foodpanda such industries provide cab services, bill payments, food services to the consumer with minimal effort due to which they have gained respectively marketing advantage. Uber is currently valued around 48 billion USD ^[1]. Swiggy raised 210 million USD at a 1.3 billion USD valuation in July 2018^[2]. MakeMyTrip received a 3.8 billion USD valuation in May 2018^[3]. This suggests the potential growth; a business modal of this type could deliver if executed properly.

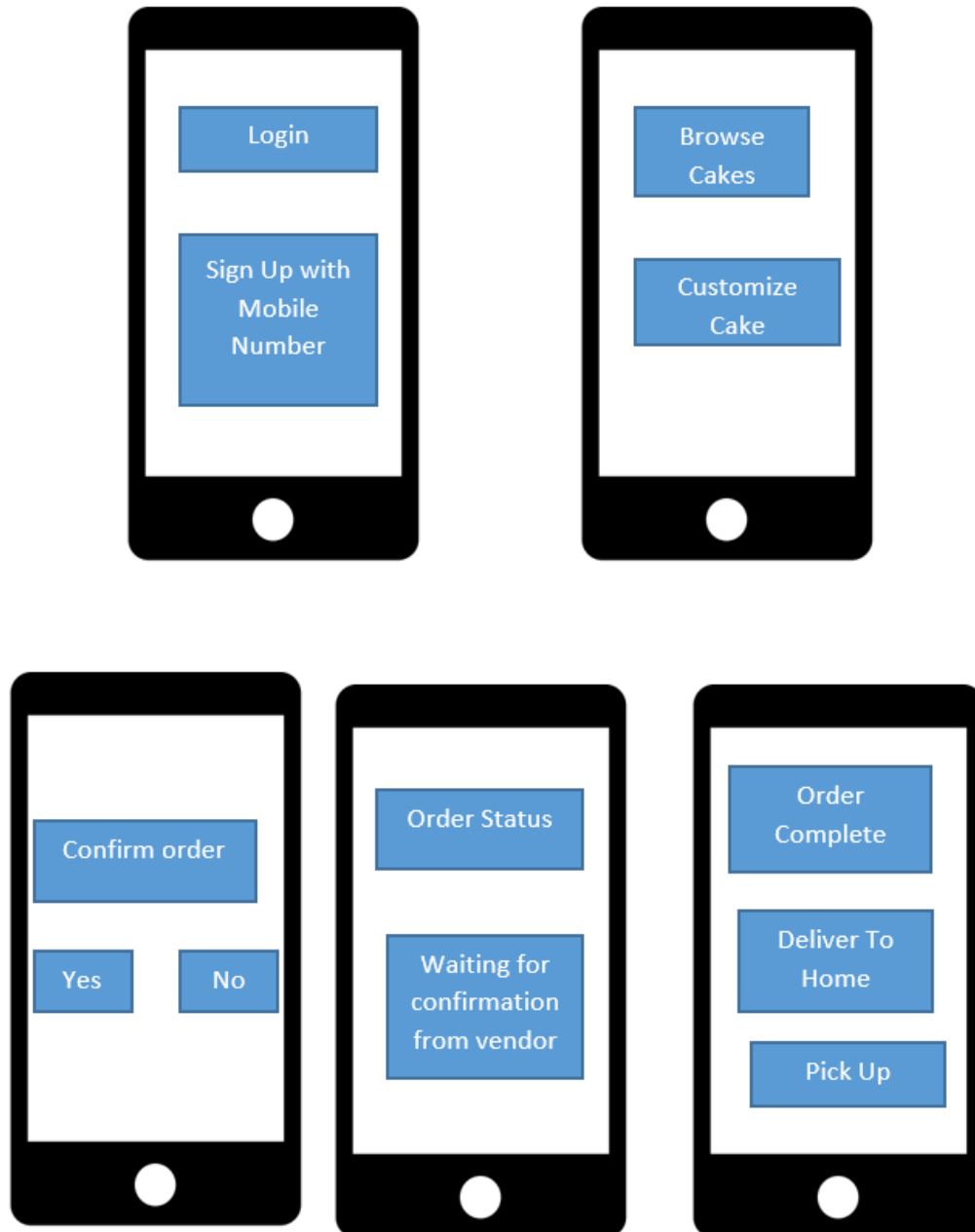
4. Framework

This paper proposes an application which will help cake service to grow their business or enhancing them. There are two different framework needed for application one for consumer and one for cake service owner. This same methodology is used in various app such as olawhere the ola app is for the customer who uses the service and the ola driver app is for the cab driver who provides the service. Similarly, this app requires two variations, one for the client and one for the service provider.

By using the application consumer can easily browse and choose cake from mobile app or can send photo and details of their customizable cake with requirement which help saving customer time and also solve problem of customer to travel all the way to shop.

After placing the order cake service owner will receive the order and can confirm it whether their order is accepted or not, if not they will provide reason with it. Once the order is accepted the consumer will starting to receive alerts through push notification so they always know the status of their order once the order is complete they can easily offer choice whether customer want their order to deliver home or pick from shop.

Design Client Side



Design Vendor Side



System Basic Architecture

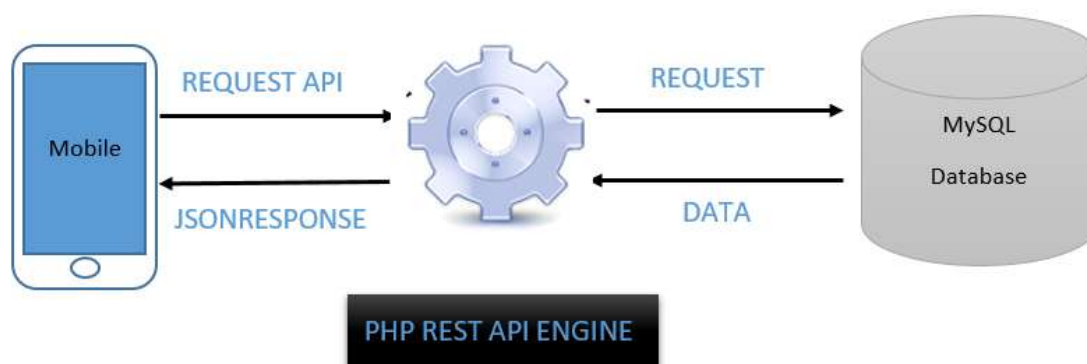
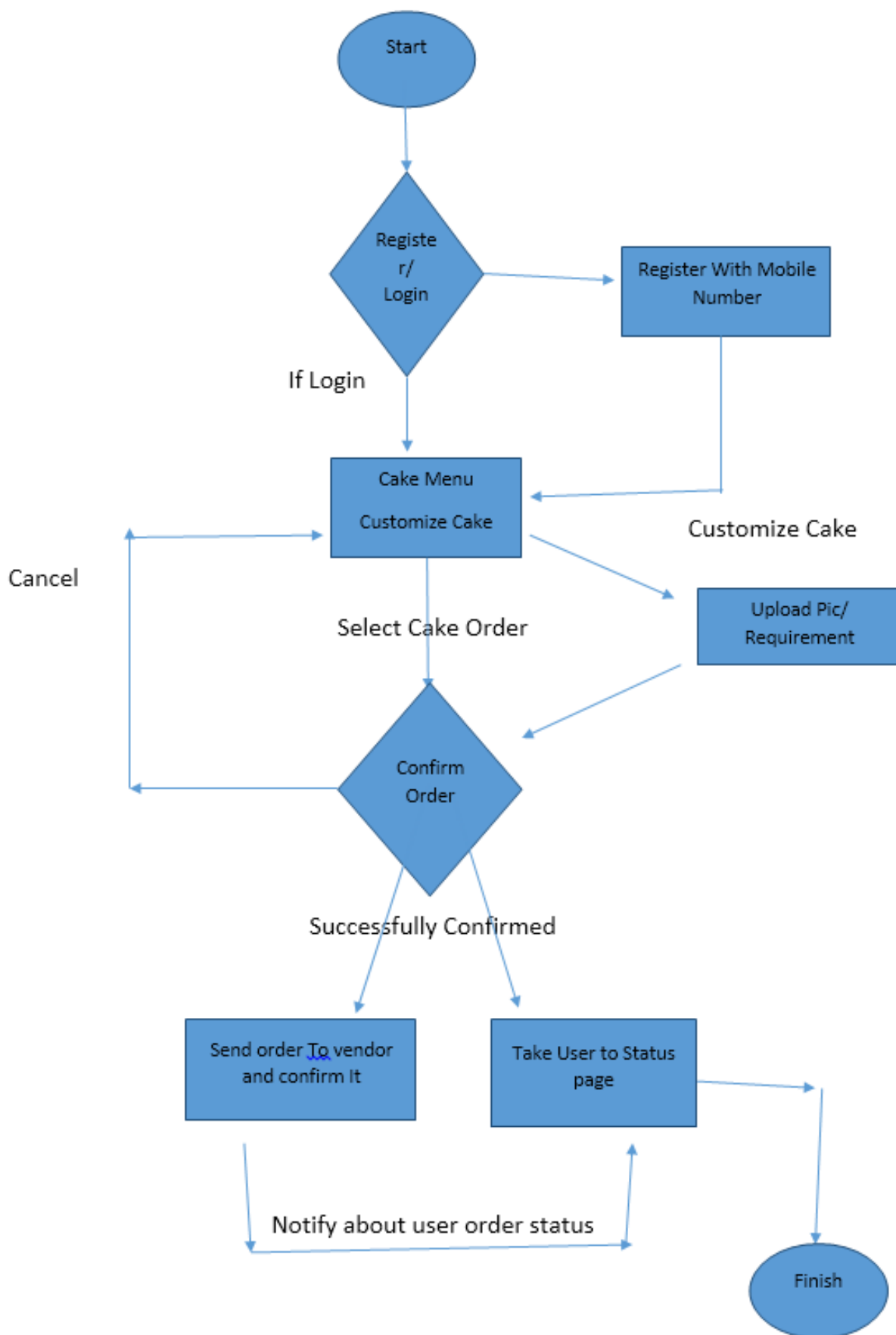


Fig 4.1 System Basic Architecture

Flow Chart



5. Advantages

- I. The application helps consumer to access services without going to their shop or destination.
- II. Provide Notification alerts about their order so no need to call again and again to ask status of order.
- III. Provide service after order is complete whether to pick order or deliver directly to home.
- IV. Helps vendor or cake owner business to enhance its business and provide reliable service to their consumer.

6. Conclusion

This paper suggest business model for cake services to enhance its service and provide ease of solution to their consumer, if properly implemented could deliver a promising performance in boosting the professional capabilities to the cake services. As now a days consumers spent most of the time in smartphone and like to access to services from there .So above application framework can help both small or big cake service owner to manage their service efficiently and also help in increasing reach of their consumer in wider area and hence helping flourish their business

References

1. <https://www.businessinsider.com.au/smartphone-survey-results-2011-4>
2. https://www.theseus.fi/bitstream/handle/10024/104210/Babatunde_Anafi.pdf?sequence=1
3. <https://www.ijcsmc.com/docs/papers/May2015/V4I5201557.pdf>
4. <https://www.androidhive.info/2012/01/android-login-and-registration-with-php-mysql-and - sqlite/>
5. An Android Application Sandbox System for Suspicious Software Detection, by Thomas *Blasing*, *Leonid Batyuk*, *Aubrey-Derrick Schmidt*, *Seyit Ahmet Camtepe*, and *SahinAlbayrak*
6. Android Official Website (2008)—“Android | Official Website”, <<http://www.android.com/>>.
7. Smartphone OS Market Share, Q4 2014, available at <http://www.idc.com/prodserv/smartphone-os-market-share.jsp>
8. Number of available applications in the Google Play Store from December 2009 to February 2015, <http://www.statista.com/statistics/266210/number-of-available-applications-in-the-google-play-store/>