

A CONCEPTUAL STUDY OF HOME SERVICES IN TERMS OF IMPLEMENTATION OF LAUNDRY SERVICE PROVIDERS FOR CUSTOMERS

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Abstract: Now a day's smartphones is biggest platform to provide different services to users from online shopping to food ordering. In this paper, we are attempting to concentrate on the laundry (Home) services to smartphone users. On the tip of the finger they can use the services with fast assistance to all queries as well as the best services are provided to the users. The application aims to provide a proper billing system with unique id for each package that will be efficient for both customer as well as shopkeeper, as well as we are providing door step service for customer if they are not able to collect package from shop. We are providing one more feature for those who want urgent laundry cloths within particular time and it will cost little more because it will be top priority for shop keeper. The sole purpose of the application is to provide efficient services to user as well as to increase customer base for laundry shops.

Keywords: Laundry, Laundry shop, Laundry cloths, Laundry Services, Token.

1. Introduction

Nowadays, the technology has been increased in all possible ways as well as in mobile platform too. The mobiles are evolved from classic phones to the smart phones and perform all tasks like computers. Smart phones are the portable computers to provide all needs of consumers in faster and efficient ways. The applications plays the main roles in the smartphones, applications are the small pieces of software that's can do almost everything. And it comes with various operating systems like Android, iOS, blackberry, etc.

The aim of our application is to provide assistance to consumers when they need laundry services. The application is very handy and easy to use with simple and decent user interface for a consumer to efficient access. Working of the application very simple where consumer will register through the email and provide his personal details along with home address and then give the laundry details which will sent to laundry shop owner through the database and both will receive a token which is unique for each consumer and will deleted by the shop owner after completing the delivering of laundry successfully to the user with fulfilment of the payment options.

The application provides the efficient options for consumer where consumer choose at which time they want laundry to be ready. And will be delivered on the accurate time or they can collect the laundry from the shop and here is the token comes in action when costumer takes back the laundry he have to show the token at laundry shop which will be easy for shop keeper to identify and deliver it to the costumer.

Target platform

For implementation this project we are using android platform. The availability of market for android is huge than the other operating systems which is big advantage. In today's market android is the most used and powerful operating system and is adopted by the phones, TV (Android TV), cars .as well as in wearables like watches. Cause of the availability of huge android market we are reaching to the large number of users through our service.

2. Literature Review

Today, consumers are now attracted to businesses like Uber that provide a full cycle approach. Easy booking, pickup and delivery at doorstep^[1]. According to statistics of year 2014-15, thirty thousand companies in the laundry business made over 10 billion dollar in revenue. All of these companies served a total of 30 million people^[2]. Technology is already changing the world around us. And, even to this day, laundry is still a manual process that has not been automated as other things in society^[3]. The UI of the application is made attractive to provide the user a good soothing experience^[4]. An open development platform, Android offers developers the ability to build extremely rich and innovative applications^[5]. Developers are free to take advantage of the device hardware, access location information, run background services, set alarms, add notifications to the status bar, and much, much more^[6]. Android Application Sandbox (AASandbox) which is able to perform both static and dynamic analysis on Android programs to automatically detect suspicious applications is also discussed^[7]. Smart Phones has changed the life of everyone. Along with other features, an App in Smart Phones allows to do almost everything, from playing games to do business^[8]. The development of app described in present paper has given a strong understanding of various challenges associated with design and development of apps^[9].

3. Working Architecture

System Basic Architecture

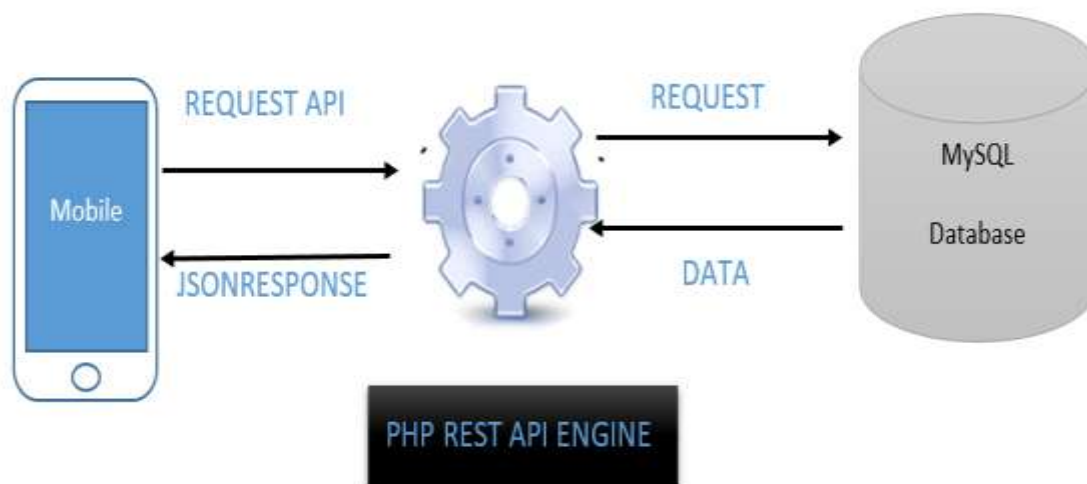


Fig 3.0 System Basic Architecture

System Design

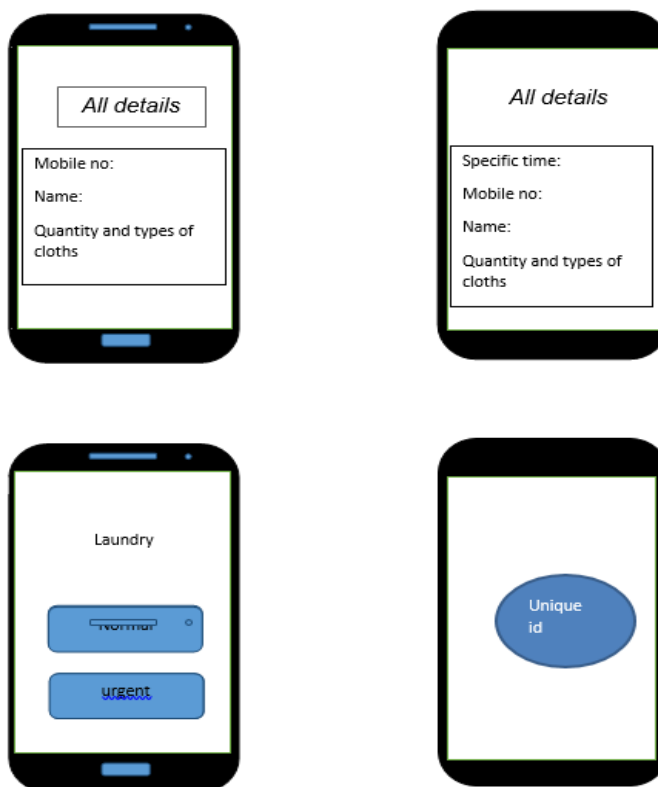


Fig 4.0 Graphical User Interface-laundry application

System Flow

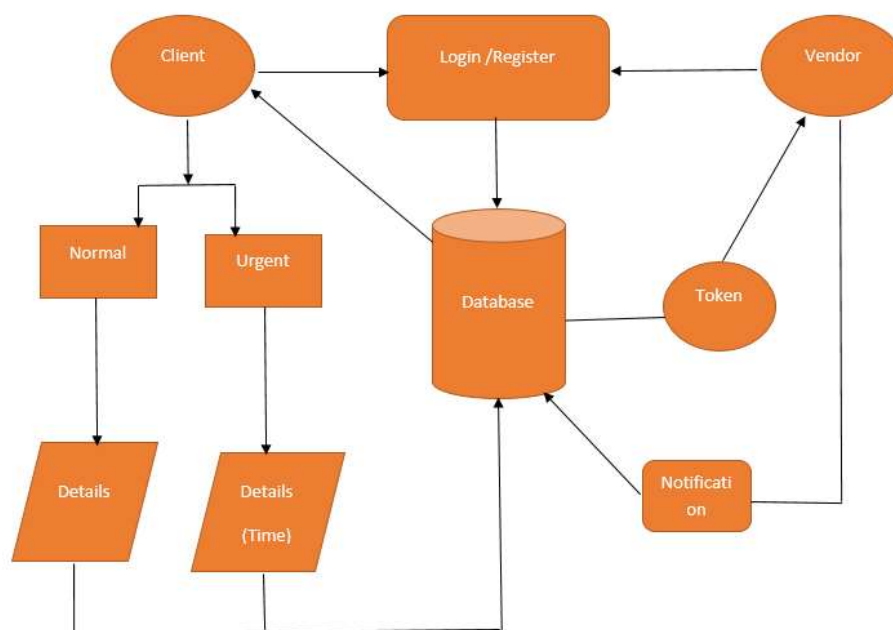


Fig 5.0 Data Flow Diagram-laundry application

4. Advantages

1. This application provides customisation of time for user in context of delivery.
2. Unique tokens that will laundry shop owner to manage all upcoming clients with ease.
3. Faster doorstep delivery on the scheduled time.
4. Users can collect the laundry on the go from shop too.
5. Cloths are delivered within 24 hours.
6. No pick-up charges.

5. Conclusion

Nowadays smartphones is biggest platform to provide different services to users from online shopping to food ordering. and our applications aims to provide home service for users who want the clean and dry laundry service through the smartphone without visiting to laundry shop or wait for the laundry in a queue. With few clicks users will get there laundry done and delivered to the doorstep.

References

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