

MUMBAI DABBAWALA

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Abstract - If you are a Mumbaikar, we are pretty sure at some point or another of your life you must have heard about the famous Dabbawalas of Mumbai. In the current system of Dabbawalas, if one has to subscribe for their services, one has to either make a phone call to the organization or visit their office and register themselves there. These processes are obviously very time consuming and outright cumbersome. It also increases the paper work. We are developing an app which will make things a lot easier than the current system. The app will have an interface for registering a person, then after registering he/she can place an order, subscriber for services on a weekly or monthly basis. As android is the most popular phone based OS in India it will ensure the accessibility to more users rather than traditional approach provided earlier which will going to help the Dabbawalas to grow their business in a larger extent in a fast pace with less number of complications.

Key Words: Android, Dabbawala, Interface, Operating System

1.INTRODUCTION

In the current system, if any one wants to subscribe for services of dabbawala then customer needs to contact the service provider of dabbawalas via a phone call or need to visit their office and avail the services. It incurs more time as well as information is been stored on paper which increases paper work and makes record maintenance tedious, rather than that their aren't available for some period of time when they are performing their function while in this period you cant avail the services provided by them which leads to nonavailability. Since, the records are been stored on paper which leads to in consistency and if any accident happens there is no backup available for them. The proposed system focuses on developing an application which will be available to the users with an ease and can perform the actions without any restrictions according to their needs. As the application, will be available on the hand-held devices it can be accessed anytime, anywhere to book the services which will eliminate constraint of non-availability. Whereas considered on the side of dabbawalas it will ensure that efficiency, stability and integrity is being maintained of the data regarding their business. As elimination of paper record helps them to access the data whenever required and maintenance is also easy of the records; in case of accident backup is been avail- able which can be restored to its stable state without any loss of data and bring the whole business to stable state in terms of record. As paper work is been eliminated it will save the space where all the paper related work was been kept. Adoption of new technology ensures elimination of errors with respect to calculations and reduces the labour cost of maintenance. As android is the most popular phone based OS in India it will ensure the accessibility to more users rather than traditional approach provided earlier which will help the dabbawalas to grow their business in a larger ex- tent in a fast pace with less no of complications. The main aim of the project is to study and upgrade the traditional approach used by dabbawalas using Android technology which is going to help them in an efficient manner by eliminating the complications present in the current system.

1.1 Literature Survey

In earlier days, food industry traditionally has lagged behind other industries in adopting new technology. Food is been ordered with an entirely manual process which involved waiters, pen and paper. The waiter had to note down orders from customers, take these orders to kitchen, update them in records and again make bill. Even though this sys- tem is simple it may involve human errors in noting down the orders. There are many reasons leading to the feeling of dissatisfaction including being entertained late in terms of order taking by the waiter and meals serving. To over- come these limitations in manual system, multitouchable restaurant management system is proposed which will be equipped with a user-friendly touch screen, display screen in the kitchen, and software for completing the process at the back end. The number of mobile users with Internet access dwarves the number of fixed-line Internet users. This means that most users will get to know the Internet via their smart- phones rather than their computers. Mobile has been the most important factor for bringing the benefits of the Inter- net to the palms of broader populations, especially in health-care, education, agriculture, and financial services. Mobiles contribution to Indian GDP is expected to quadruple by 2020 from the current US \$100 billion. Android is India's dominant smartphone platform, with more than 90 percent market share. The Indian market for mobile apps is growing and competitive. There's great potential for apps that can help meet consumer needs in a localized manner and use a location- aware business model. Although many companies compete for a relatively small market, the almost-free development environment and the low-cost structure keep many companies afloat.

The user must be able to utilize this application without any prior knowledge about the user interface. The interface must

allow the user to work with the different features of

application within a minimum span of time. In case of any

issues, the user must be able to find the solution by referring

abbowa

Enter your Username

Enter your Password

LOGIN

Fig 2: Interface

2.1 Implementation of the System

to the user manual.

MumbaiDaba

1.2 Problem Definition

Today, the development and widespread of technology is changing the view of people towards everything. M-Dabbawala is an application which provides a user freedom to book the dabba service in a modern way without any effort and in a stimulated period of time. Drawbacks of existing system. The Existing system operates in traditional manner making it to invite more flaws day by day in the modern era. Limitations of existing system. 1. Currently no available for making dabba subscription is available on their 2nd page. One can only contact them in a specific span of time during the day, after that they become unavailable. 3. Slow, tedious, time consuming.

2. Proposed System

The system proposed by us will contain the following facilities:-

1. The mobile user will be able to access the services offered by the Dabbawalas through the application.

2. The user will able to book services according to his requirements on weekly, monthly or quarterly basis.

3. User should be able to terminate the services if he/she wishes to.

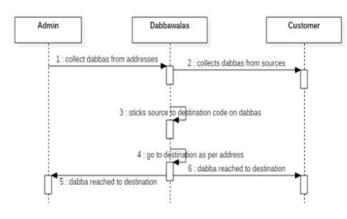
4. Application will provide the data from the server side where the data is stored.

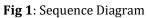
5. User should be acknowledged regarding the booking and cancellation of services.

6. Subscriber module will be available.

7. Administration module will be available.

The information and whereabouts of every Dabbawala will be stored in the database and they will be assigned duties in a specific order. The address of the destination is also registered via the app. Other details like time of delivery, address, etc. can be also be registered. This will make the process efficient and easy to handle for both the customer as well as for the Dabbawalas.





iii. Memory: 4GB 2. Android platform Based Smart Phone

3. Internet Connectivity

Hardware Requirements:

i. Processor: i3 and above.

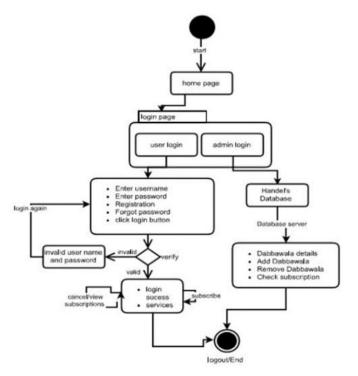
ii. Hard Disk: 1 TB or above

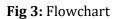
1. Computer

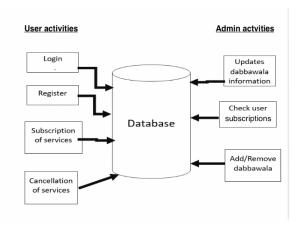
Software Requirements:

- 1. Android 4.4 or above
- 2. Android studio and Android SDK
- 3. MySQL.
- 4. Windows 7(64bit) and above
- 5. Web server: Apache
- 6. WampServer
- 7. Web Hosting: Mozilla, Firefox, etc.

The flow of control will be as follows :-









3. CONCLUSIONS

By implementing this system, it will reduce the cost of labour and provide integrity and consistency with respect to calculation of cost of the services and the paper work will be eliminated that will eliminate the space issues for storing the files and accessibility of previous record can be done at any time.

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