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Android Application for Home Tax Assistance

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ABSTRACT: This project is all about Home Tax Assistance which can help users to pay their home tax via android application. Paying home tax through manually consumes more time to people and there is a lot of procedures' to be followed so user may get difficult to go with that. To overcome with this problem we are doing with unique product based on android so user may use this mobile application and pay their home tax easily with very simple steps has been involved as well. Since this project is used to provide the actual and correct information about details of the particular project. The system should always provide correct response. The system as to provide the correct information under any situation, In case of any error in input or operation, system should reflect proper message or give proper helping information.

I.INTRODUCTION

To govern a progressive home tax system to maintain correct and proper home records in respect all kinds of home holdings to implement home reforms to safeguard the interest to weaker and most downtrodden sections of the people. To take required steps for creation and re-organization of new and existing administrative units to bring the tax of good governance to the doorsteps of people living in rural and remote areas. To arrange acquisition of and for setting up of new projects in the State by various State / Central Government Organizations. This is android application for customers, customer fill up his information in user registration login page with his name, address, phone number. He must login with the correct email and password, if he doesn't enter correct email and password and they will not get enter to home tax assistance page. User login with correct mail and password he move to next step that is selecting various home taxes based on monthly, six months or annual system. User have to select these types to pay their taxes according to their choice. Admin can fetch the data from users who are using this web application. Our android application giving better ideas of designing home with fast and effective.

II. LITERATURE SURVEY

2.1 Existing and Proposed System

2.1.1 Existing system

In the existing system there is no android application to pay home tax. Mainly at present user has to go to their particular taluk office and they should wait for long time after that they have to provide there details to the person who is working over there and after that he will enter all the details manually and after that person will give bank challan to the user to pay their tax. Again user should wait in a queue when they went to bank. After payment they should come again and they have to give one more challan copy to the office and they should wait for their area in charge officer to come and then they should get sign from him/her.

2.1.2 Proposed System

This is android application for customers, customer fill up his information in user registration login page with his name, address, phone number. He must login with the correct email and password, if he doesn't enter correct email and password and they will not get enter to home tax service portal. User login with correct mail and password he move to next step that is selecting various home taxes based on monthly, six months or annual system. User have to select these types to pay their taxes according to their choice Admin can fetch the data from users who are using this application database. Our mobile application giving better ideas of designing home with fast and effective.



III. SYSTEM DESIGN

This is the Software Requirement Specification (SRS) of the Project “HOME TAX ASSISTANCE”. Here it is used to specify the requirement for the initial implementation of the system. A Software Requirement Specification (SRS) document usually contains a software understanding of a customer’s software requirements. This document ensures that the software with customer are in agreement as to the features required in the software being built. SRS is created after the initial requirement elicitation phase in which Software interacts with the customer to understand the software needs. Usually SRS documentation is prepared by a business analyst who has some technical background.

3.1 Purpose

The purpose of the document is to present a detailed of the home tax assistance. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints which it must operate and how the system will react to external stimuli. This document is intended for developers of the system and clients.

3.2 Scope

Home tax is created to give better support of the clients. By using Home tax through android application client can select the taxes with according to user needs. Without loss of time, he can select the Various(tax) payable facility according to his budget, favorite with paying bills.

3.3 Modules

This project consist of two different interfaces they are:

1. Admin
2. Client

Admin:

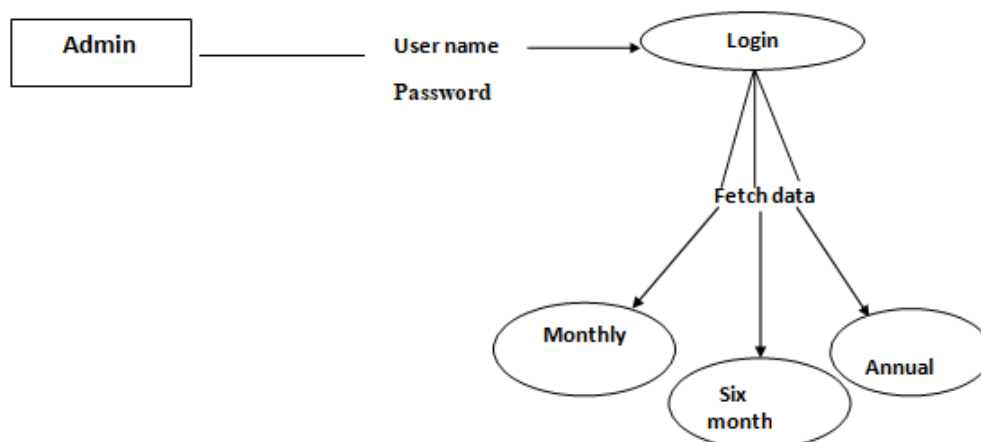
- Admin has to login the application with username and password correctly.
- Only Admin has super power to alter (add, delete) the data based on variety of paying taxes (monthly ,six months, annual).

User:

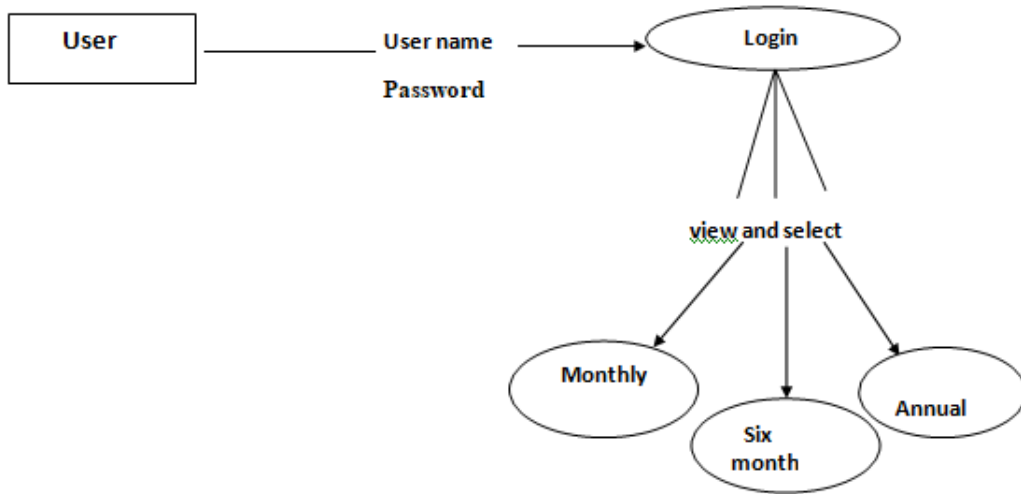
- Client/Customer must entered the details like (Name, Address, Phone no) and then he must login with valid email and password with correctly. If it is wrong customer cannot see the tax that what he want.
- Client has no authority to add or delete the types of pay scheme. Only he can see the variety of pay scheme according to his income and budget and to his favor in a less time. Client can select the pay scheme and he can view the with total amount which he has selected.

3.4 Data Flow Diagram

Admin DFD

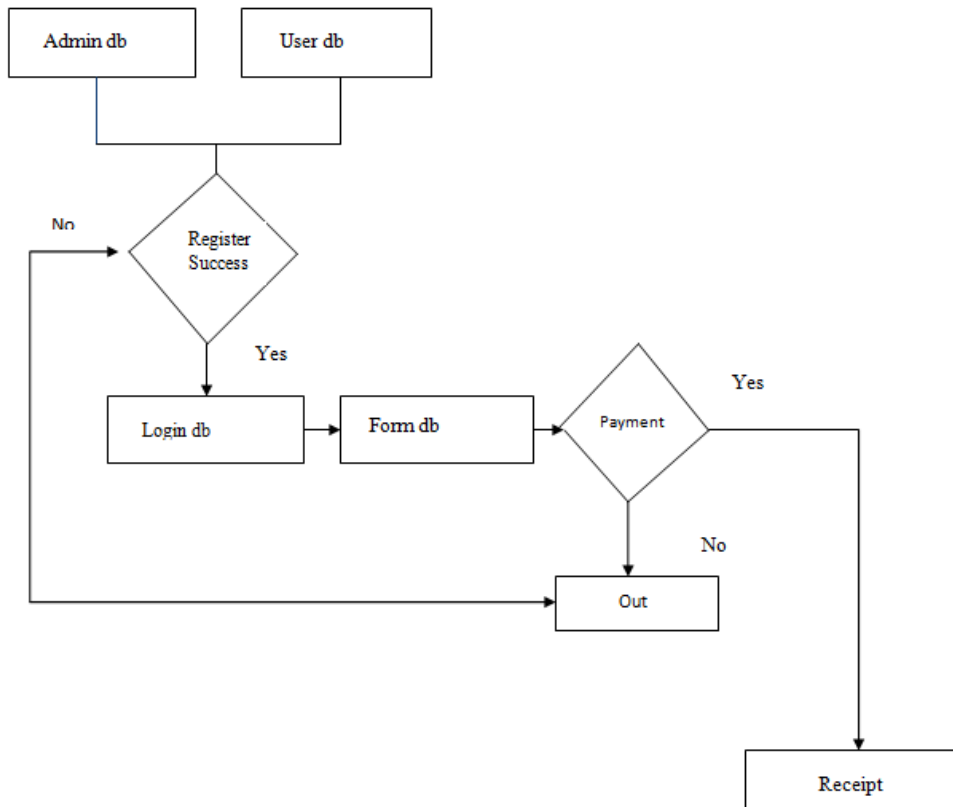


User DFD



IV. IMPLEMENTATION

4.1 E-R Diagram



The process of putting the development system to actual use is called system implementation. It includes all activities that place to use the new system. Once the planning has been completed, the major effort in the department is to ensure that the programs in the system are working properly. The system implementation phase follows the test phase. This implemented phase of software development involves translation of design specification into source code by using required platform and other tools. The entire software is implemented using java and xml. In the implementation phase, the project reaches its finishing stage. After the development phase of the SDLC (System Development Life Cycle) is complete, the system is implemented. The software, which was designed in design phase and programmed in development phase of the SDLC, The person making use of it is trained during the phase of the SDLC. Moreover, both the hardware and software are tested. The problems that we were unable to simulate were solved by the users. These were the main activities performed by us in the course of the project, which lead to its proper completion.

4.2 Android

Android is an open source operating system developed for smartphones by the Google. It works on the principle of Linux kernel, it has various layers, for developers there is a layer called application layers at that layer various functionalities are provided. For developing the android application an IDE called android studio is used, in android studio various files are used for different purposes. Example Activity Is a java file which defines the activity of the app, manifest is a files which controls the behaviors such as app name, icon, etc. Layout is a file which defines the layout of the app.

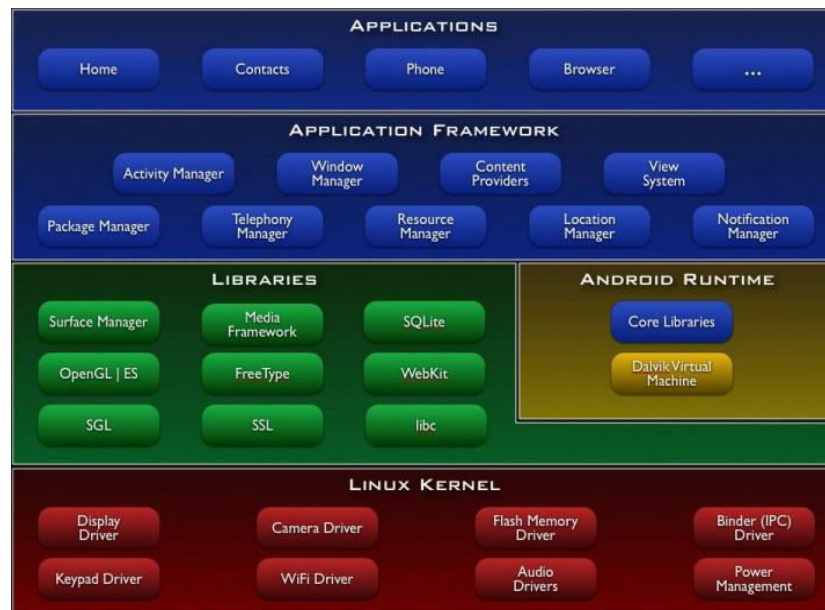


Fig 1: Architecture of Android operating system

Java

Java is a high-level programming language originally developed by Sun Microsystems and released in 1995. Java runs on a variety of platforms, such as Windows, Mac OS, and the various versions of UNIX. This tutorial gives a complete understanding of Java. This reference will take you through simple and practical approaches while learning Java Programming language.

XML

Extensible Markup Language (XML) is a markup language and file format for storing, transmitting, and reconstructing arbitrary data. It defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The World Wide Web Consortium's XML 1.0 Specification of 1998 and several other related specifications all of them free open standards—define XML. The design goals of XML emphasize simplicity, generality, and usability across the Internet. It is a textual data format with strong support via Unicode for different human languages. Although the design



of XML focuses on documents, the language is widely used for the representation of arbitrary data structures such as those used in web services.

SQL

SQL is a database computer language designed for the retrieval and management of data in a relational database. SQL stands for Structured Query Language. This tutorial will give you a quick start to SQL. It covers most of the topics required for a basic understanding of SQL and to get a feel of how it works. SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in a relational database. SQL is the standard language for Relational Database System. All the Relational Database Management Systems (RDMS) like MySQL, MS Access, Oracle, Sybase, Informix, Postgres and SQL Server use SQL as their standard database language.

V. RESULTS

This Application will help us to pay via online payments. The project will be used for a long time, it must be easy to maintain and easy to incorporate future changes. The design if the system should be module based and changing the design of the one module should not affect the proper operation of the other module. All security precautions are taken to make the product more reliable, only valid i.e. registered persons can access it.

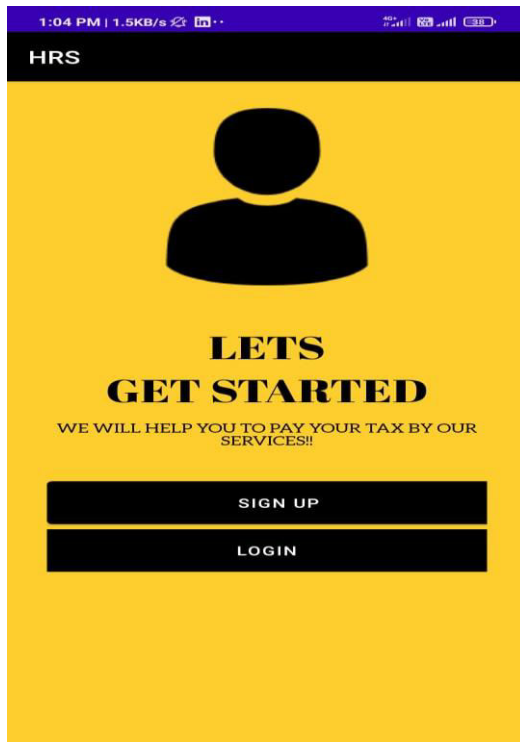


Fig 2: Home Page

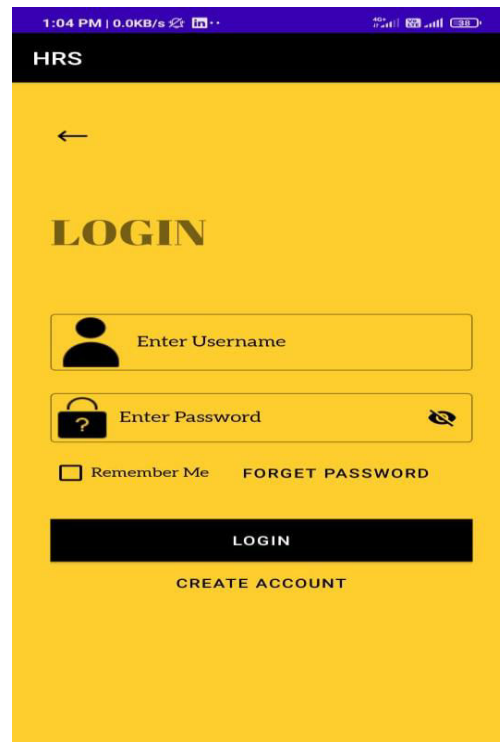
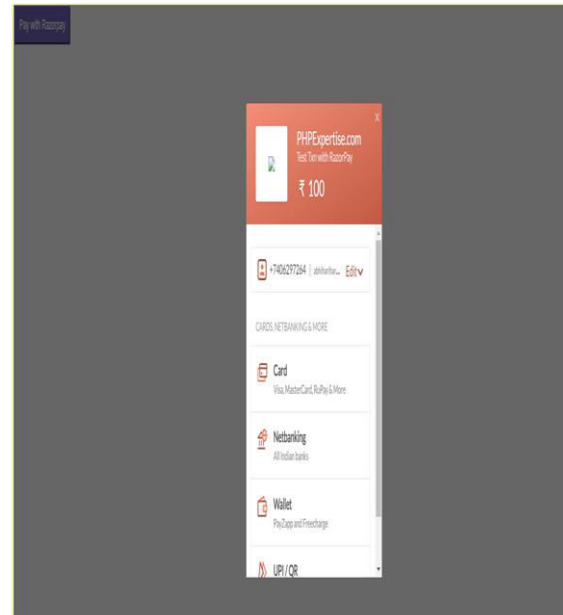
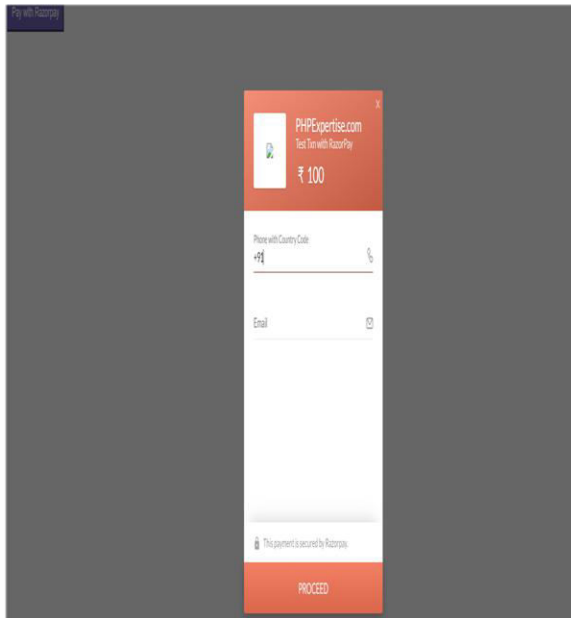


Fig 3: Login Page



It is a real time project. At the completion of this project we come to know that this system is useful for people to pay their home tax through online. This also helps people to reduce their manual work. Because this website is all about paying home tax via online. At current situation people have to pay via manually this leads to time waste. So to overcome with this we did this as a real time problem project model.

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