Enterprise Catalogue Android Application

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Abstract – *Electronic catalogs are information about products and services in the electronic commerce environment, and require diverse and flexible schemas. A catalog management system supports the definition, storage, retrieval, and management of product information throughout the e-commerce process, and thus, is an essential component in almost all e-business applications. However, the diversity in product types, applications, and vocabulary (language) makes it a difficult system to design and implement.*

Current e-commerce websites employ designs that are catalog based. Most web-stores are seen to be fancy displays of product catalogs. The drawback is that customers are easily confused with the number of links available; they have to go through complex navigation and keyword searches to find their products; and solely rely on their own decision to purchase a product. Additionally, they cannot distinguish one retailer from another based on the web-front; identity of the web business is lost. Hence, there is a lack of trust. The human and personal element seen in traditional shopping is also lost when shopping online. This paper discusses and proposes an intelligent solution to these problems. The e-Salesman System (eSS) aims to simulate the human element of traditional shopping for online sales. It is based on a knowledge driven, intelligent model as opposed to a catalog based, and static model. It is supported by a framework that is easily extensible and customizable to the needs of any web-store.[4]

Key Words:** **Cross-platform, AngularJS, Node.js, mobile computing, Python, Database.

1. INTRODUCTION

In today's era, mobile phones holds most important role in our daily life. Various mobile application development tools are available and emerging time to time. Android, IOS, Microsoft etc. are having strong hold in mobility. So there is a need to design such applications that are compatible with all devices that are available.

This proposed system allows end user to publish interactive catalogs of their products and distribute the information to anyone, anywhere. The app can be used to publish catalogs for free till your business grows to a certain stage beyond which there are paid plans, which offer flexibility and affordability, to meet the requirements. There is no special knowledge or programming skills needed to use the app. Most of the steps involved are simple and can be undertaken to: - Create a catalog simply and easily - Publish your catalog instantly - Make your catalog visible to anyone, or keep it

private - Instantly push updated information to anyone who has your catalog. The app will help customers to browse through your products and services. Such an application is beneficial for you in several ways. Now a-days, it has become common practice for companies to offer their customers a different route to learn about and interact with their products. This lies in developing applications which are integrated with their website. This technique allows you to put your inert directories onto interactive and responsive interface which can be viewed by anyone, anywhere through any phone or tablet device.

2. EXISTING SYSTEM AND PROPOSED WORK

There are many applications that exists nowadays for catalogue but that available applications are only for particular products like footwear, Himalaya ,wish book, etc. It is less user-friendly, A Person must go to shop and select products from limited variety, It is difficult to find the appropriate product in a shop, Limited description is provided about the product, Physical shopping is a time consuming process, Scope of advertisement is very limited.

Enterprise Catalog system allows digital catalog sharing from manufacturers to distributors to wholesalers to retailers, and enables salespersons to show Catalogs, take orders & file daily reports. This is mobile based application which will replace the printed catalog books that are expensive & slow to share. Faster feedback on the styles & their movement allows the manufacturer to better plan repeat production.

In the proposed mobile application, we are integrating features provided by multiple applications together including many other features like unlimited product wise access, seeing product in different views, detailed information of products, main focus on manufacturer and retailer, digital catalogues which reduces the paper work and so on. The proposed system will help retailers to browse through various products and services. Such an application is beneficial for end user in several ways. Now a-days, it has become common practice for companies to offer their retailers a different route to learn about and interact with their products. This lies in developing applications which are integrated with their website. This technique allows end user to put your inert directories onto interactive and responsive interface which can be viewed by anyone, anywhere through any phone or tablet device. The scope identifies what the product is and is not, what it will and won't do, what it will and won't contain.[5].

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3. IMPLEMENTATION

3.1 CONTENT MANAGEMENT SYSTEM (CMS)

A CMS (Content Management System) is a software system to publish, edit, and change contents, as well as to modify the visual look of contents. For example, user should be able to link a set of items to a user in the form of a shopping cart or a completed purchase.

The main advantages of a CMS are:

- **Lower costs**: the system is built once and can be used in many stores. Even though there are evolution and maintenance costs, it's much cheaper than developing a customized system from scratch for every store.

- **Evolution**: CMSs usually evolve through the delivery of new versions. This makes it possible to solve existing problems and keep up to date in such as changing environment as the Internet.

- **Community**: many people will use the same system as you. If you have a problem, it's highly likely that someone has already experienced it and you may find information about how to solve it.

3.2 ARCHITECTURE:

The architecture consists of frontend and backend. The frontend consist of user interface that is designed using CMS using Android Studio. The functionality is implemented using Angular2. Python (flask) is used at the backend also it contains the database . Rest API's are used for data parsing in JSON format throughout the implementation.
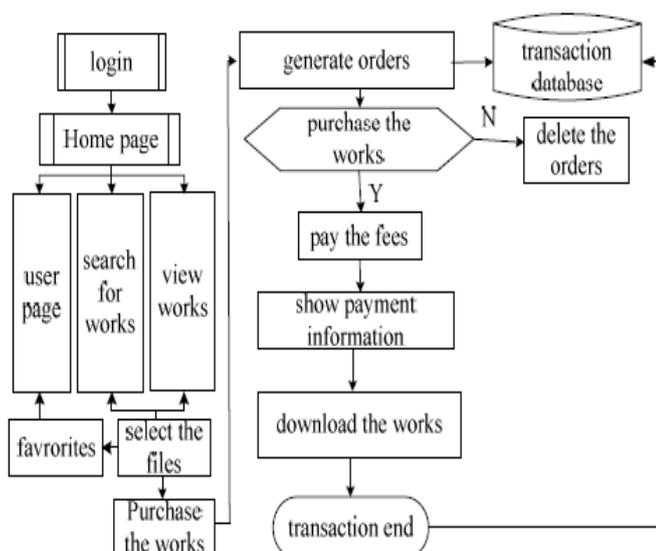
Fig - 2 : Architecture

3.2 WORKING AND FUNCTIONALITIES:
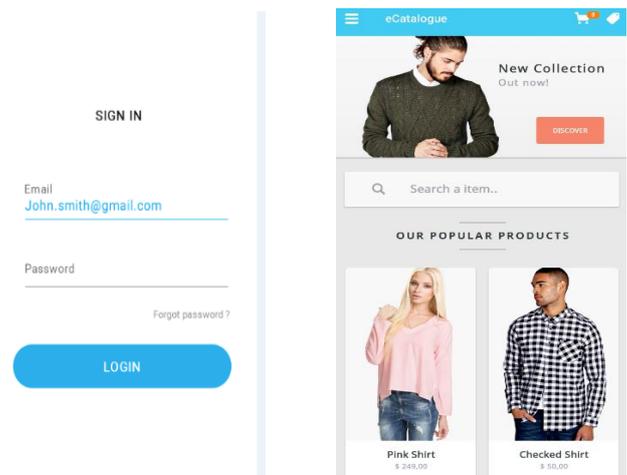
Fig - 3 : Login Page and Homepage of the application.

Let us have an overview on the application. Firstly, the user have to create his/her own account on the application. This can be done either using Facebook account or otherwise create a separate account on the application. After successful registration the user needs to login with the username and password. After login various catalog product have been shown.

The application consists of various features like Easy sharing of digital catalog /product.

- Brands & Category wise view of Catalogs.
- Catalog distribution to multiple users at a single click.
- Unlimited Uploading.
- Easier & Faster Business management.
- Firmly bonds between Supplier & Buyer.
- Ordering and selling has never been too handy.
- Managing customers and orders are more convenient now.
- Daily reports of activities, now on your mobile. [1]

4. REQUIREMENT SPECIFICATION

4.1 Software Specification

OPERATING SYSTEM: Windows 8
FRONT END: Android studio, Angular 2,PHP
BACK END: MySQL ,Python(Flask)
SERVER: Xampp Server

4.2 Hardware Specification (Minimum)

SYSTEM: Pentium Dual core
HARD DISK: 40 GB
RAM: 512MB

5. CONCLUSION

With Enterprise Catalog Solution we can say that easy to manage business anytime and from any part of the world. From this application the handy and printing work has been reduced.There will be direct interaction between retailer and customer so, time will be reduced. Whatever will be the limitations in our application that will be recover further like by using images we can search.This app is easy to use as well as to learn. Through this project, we have proposed a platform for internet users to be able to shop online. This application can also be set according to market position and will be helpful to provide wide variety of products directly to the customers. Since the framework is designed in SOA (Service Oriented Architecture), it would offer a high flexibility.

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BIOGRAPHIES

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