



ISSN(Online): 2319-8753
ISSN (Print): 2347-6710

International Journal of Innovative Research in Science, Engineering and Technology

(A High Impact Factor, Monthly, Peer Reviewed Journal)

Visit: www.ijirset.com

Vol. 9, Issue 3, March 2020

Design of Femme - A Women's Development Application

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ABSTRACT: In today's progressive world women with excellent skill-set have limited platforms to showcase their talents. Over 5 lakh women have successful home businesses. However, there is no single application that acts as a platform where these businesses can be listed and found by service users. Through our Android application we hope to solve this problem efficiently. This Android based application would be useful to help women, learned or not, showcase the skills they possess via registering themselves on the application and giving a brief description about the skills they specialise in. Not only can they share their skills but women can also learn whatever they need to know about the things they want through the application. The application could be used by women who want to start their own business, their own classes or just share their talents via photos, hence contributing socially as well as economically. Such an application that is contributing to the societal development of women at an individual level not only gives them a platform for showcasing their talents, but also boosts their confidence.

KEYWORDS: Women, development, android, application, business.

I. INTRODUCTION

The Internet plays a vital role in everyone's life. People explore the entire world by using this world wide web. Anything can be learnt and known within no time with the help of the internet. In today's progressive world women with excellent skill-set have limited platforms to showcase their talents. Over 5 lakh women have successful home businesses. However, there is no single application that acts as a platform where these businesses can be listed and found by service users. These skills can also be brought in the spotlight through the internet. We wish to see a platform where women can present themselves as entrepreneurs to the world. Providing women with the platform they seek is an advantageous way of bringing the world together. Women possess skills that can be shared with every other person out there. Women are progressing and competing for the paramount positions. We are going to create an Android based application, through which every woman will get the opportunity of presenting her talent. Skills such as cooking new or recreated recipes, stitching, embroidery, imitation jewellery, etc. are a few out of the many. Not only can they share their skills but women can also learn whatever they need to know through the application. They deserve a platform and an opportunity so that other people can also benefit from their specialities. This is an application that will empower women entrepreneurs' spirits. Such an application that is contributing to the societal development of women at an

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individual level not only gives them a platform for showcasing their talents, but also boosts their confidence. It is aimed at giving women the legitimacy of being successful business owners rather than those who are just doing a “side home business”.

A. Aim and Objectives

The basic aim behind the proposed concept is to provide an application where women entrepreneurs can advertise their businesses.

The main objective is to provide a platform for women to showcase their skills and businesses. The application will be able to provide equal and upright opportunities for women so that they can also earn and provide for their family. This portal will also help women entrepreneurs grow their business and give women a legitimacy of owning a successful business rather than those who are just doing a side home business.

B. Scope of Project

In this project we will create an Android based application which will perform as a platform for women to post photos or information regarding the specialities they possess or the businesses they are handling.

Home based, Small scale, medium and large scale business run by women will be listed on this platform. People will also be able to search for all the commodities they require. This system will not only help people publicise their specialities and businesses but also will let them know about all the other home based, small scale or large scale businesses near their localities. This will make it easier for people to find and access these local home businesses.

II. RELATED WORK

[1] Wen-Pinn Fang proposed a novel idea to develop applications. Based on the proposed idea a total solution to develop application for the android system is established. The system includes a cloud system, user management system, web based development tool and an auto deploy system. By means of simply drag and drop, users can design and deploy their application. The architecture also provides flexibility to change the application target by modifying the language layer.

[2] Vassileva, J. presented that women are underrepresented in the areas of Science and Engineering, both in academia and industry. This leads to weaker support networks, lower self confidence and lesser access to mentors. This investigates whether a community built with a specific purpose to allow women in science and engineering to share personal stories can support women to reflect and learn from each other's experience. This paper presents the design of WISEtales, a new online community for sharing personal stories. It discusses the design and the potential role of the community as an informal learning tool based on the results of an exploratory user study.

[3] Robert A. submitted that In the corporate world today, managers are always faced with a lot of decisions to make based on data generated at their various offices. This paper presents the design and development of an Android application that would retrieve summarised data from a central database process and display that information on an android device so as to aid managers in their decision-making process. The android application is developed using Eclipse in conjunction with android SDK tools. Users of this application would be able to analyse data quicker hence make quick decisions as they would not be drowned in detailed information. There is also an added benefit of having access to company data on the go[3].

[4] Xiao Zhang stated that there is little research on female entrepreneurship in the academic field. This paper analyzes the influence of gender difference on the characteristics of entrepreneurship from such five aspects as the motivation of entrepreneurship, the leading style as the entrepreneur, the selection of the industry, the size of entrepreneurship, and the channel of financing.

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[5] Sekar, B. states that This paper describes a TriTHEApp Android application, designed to serve as a location based time saving and safety ensuring application. In other words TriTHEApp is a location based service, with three features. Tool to announce arrival service is designed to make the client's uncertain waiting time known, handset theft monitoring is designed to track the user's android device, and emergency call feature is designed to ensure personal safety of the android device user. Development of this application led us to identify few usability concerns and to propose solutions to solve these concerns.

[6] Wilcox Michiel proposed that Mobile cross-platform tools (CPTs) provide an interesting alternative to native development. Cross-platform tools aim at sharing a significant portion of the application codebase between the implementations for the different platforms. This can drastically decrease the development costs of mobile applications. The contribution of this paper is twofold. First, it presents a performance analysis of a fully functional mobile application implemented with ten cross-platform tools and native for Android, iOS and Windows Phone. The performance tests are executed on a high- and low-end Android and iOS device, and a Windows Phone device. Second, based on the performance analysis, general conclusions of which application developers should be aware when selecting a specific (type of) cross-platform tool are drawn.

III. PROPOSED APPROACH

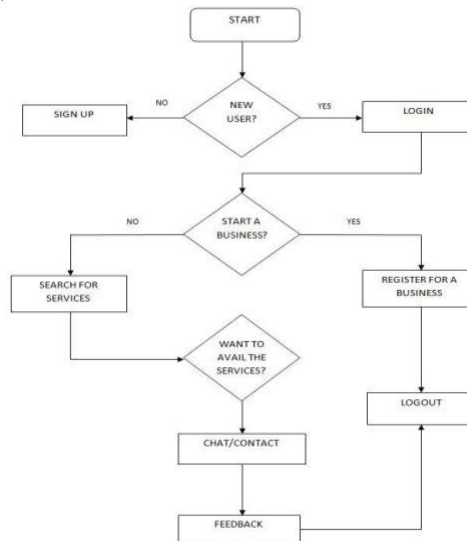


Fig. 1 Flowchart of proposed system

The Figure 1 above is the flowchart of the proposed system. There will be a sign-in page so that new users can register and a login page for already registered users. After logging in to the application, a home page will be displayed. There will be an option for searching the required services one desires. Another option for registering a business of their own is also provided. When someone wants to register a business, she has to choose the type of a business i.e. whether it is a home based, small scale or a large scale business. At the time of the registration, contact and address details will be asked so that when someone registers for a business, other people who want to order stuff can contact the concerned authorities. Photos and a brief description can be added for easier visualization.

Technologies used :

1. Android Studio SDK
2. Java

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3. FireBase (for Database and Authentication)

Algorithm :

1. Start.
2. Create a registration page for new users.
3. Create login page for existing users.
4. Create database.
5. Create the type of client page : Customer/Entrepreneur.
6. Create Categories page.
7. Create search option to find services and avail them.
8. Create register option to register services.
9. Create contact/chat option to contact service provider.
10. Create feedback option for the customer.
11. Logout.
12. Stop.

IV. CONCLUSION AND FUTURE WORK

Every woman deserves an opportunity to show her specialities to the world. Providing a platform to showcase the skill-set they possess and the businesses they have made out of it will help for the greater good. Through an Android based application, all the women who want to showcase their skills and businesses will be able to publicize it without much effort. The application could be used by women who want to start their own business, their own classes or just share their talents via photos. Such an application that is contributing to the societal development of women at an individual level not only gives them a platform for showcasing their talents, but also boosts their confidence. Hence we can conclude that with the help of an android based application it will be pretty useful for bringing out the best in women and helping them to also provide and earn for their family.

This project can be further developed by adding a few more services like a video sharing capability in which users can share videos of their skills. Other users who just want to know how things are done can make use of this service. Another service that can be added to the project is a delivery system where the user who wants to order something would not need to go to that particular location to buy things. A delivery service will be provided to ease this disadvantage

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