

EaZy_BuZy LiFe – An Android Application for Working Women

Neetu Anand¹, Dhruvi Goyal²

¹Assistant Professor in Maharaja Surajmal Institute, Affiliated to GGSIP University, New Delhi, India

²Research Scholar, Maharaja Surajmal Institute, Affiliated to GGSIP University, New Delhi, India

ABSTRACT

In this modernized world, women are equally employed as men in all the sectors of the industry, unlike ancient retro where women used to just distillate on domestic chores and were not permitted to work. As the women have started working, their foremost responsibility is managing their personal life along with their professional life, to the same extent. There is a great need of an application that helps working women to overcome various stress and health related problems, along with managing time and security. This paper presents the glitches in the existent system and several benefits of the proposed system, which will rectify various snags faced by working women in the present scenario.

Keywords: Android Studio, Google Forms, Women Security, R Studio, Working Women, Stress Management.

I. INTRODUCTION

With the rapid advancement in all the fields of industry, women are getting employed in all the professions. They have very critical task of balancing their professional as well as personal life instantaneously.[1,2] They face much hitches in managing their time as they have a very circumscribed amount of time available in their daily's frenzied schedule.

As the lives of working women have become very multifaceted, consequently it is practically impossible to dodge stress in any circumstance [3]. Also, they face frequent health related problems and there is a great necessity to give them various suggestions and tips which they may follow to overcome psychological or physical health problems [4]. Many working women nowadays face problems in cooking quick and easy nutritious food or kids' friendly food. Hence, they waste lot of time in searching the recipes of these food. Whenever any women go anywhere, their major menace is security. Nowadays, security is the critical issue being taken into consideration and various steps are being taken to make women feel safer and protected [5].

There is no as such integrated application present on the play store, which assimilates the solutions of all the above-mentioned problems [6]. Also, there is a rapid increase in the number of working women with the urbanization and modernization taking place. Henceforth, there is a great need of developing an application that resolves all the problems faced by working women and efficiently utilize their very limited amount of time which they have.

In this paper, we are proposing an android application, "EaZy_BuZy LiFe", which are building to resolve all the snags faced by working women in their daily life. In section 2 and 3, objectives and users of the application are stated. Section 4 and 5 gives an overview of the drawbacks of the existing system and benefits of the proposed system, respectively. Various tools and technologies used to develop the current system are given in section 6. Section 7 deals with the project insights and section 8 discusses the conclusion and future scope of the proposed system.

II. OBJECTIVE

Our app aims at solving innumerable problems faced by working women and make their daily lives more manageable and effortless. This includes:

- ✓ Stress management.

- ✓ Time management.
- ✓ Finding nearby places like hospitals, schools, restaurants, banks, parks, beauty salons, etc.
- ✓ Cooking different types of food which are easy to prepare, have less ingredients and have various nutritional values.
- ✓ Health tips and diet to be followed for living a healthy life.
- ✓ Task management.
- ✓ Women security.

An online survey is to be conducted and its results will be analysed so as to ascertain more problematic areas and solve them in our application.

III. USERS

The main users of our app are all the working women being part of any profession who manages their professional and personal life together.

The other users of our app may be housewives, self-independent youths who live away from home and working men as well. Any individual facing difficulties is managing time, finding nearby places, finding healthy easy to cook recipes will be the users of this app. Also, the people who are facing stress related problems or are concerned about their health and diet would become the users of this application.

IV. DRAWBACKS OF THE EXISTING SYSTEM

There are numerous impediments with the existing system. Several hitches with the extant state of the system [1] are as follows:

- ✓ No such application present at all.
- ✓ No single application in which all the identified problems are solved.
- ✓ Shortage of time in the daily's hectic schedule of working women.
- ✓ Difficulty in balancing professional as well as personal life simultaneously.
- ✓ Problem of multiple downloads.
- ✓ Wastage of large amount of memory space.
- ✓ May sometimes lead to download of adware and malware.

All the above-mentioned complications stipulate a need to develop an application that overcomes all the shortcomings of the prevailing system.

V. BENEFITS OF THE PROPOSED SYSTEM

The proposed system will include all the characteristics to rectify the hindrances faced by working women in current scenario. The various advantages of the currently proposed systems are stated as follows:

- ✓ Overcomes various glitches of the existing system.
- ✓ Helps in managing lots of work.
- ✓ Interactive and easy to use GUI.
- ✓ Access to large number of features in just one or two clicks.
- ✓ Efficient utilization of very little available time.
- ✓ Easy to operate and maintain.
- ✓ Helps in balancing professional and personal life.
- ✓ Saves large amount of memory space.
- ✓ No adware.

VI. TOOLS AND TECHNOLOGY USED

There are mainly 3 tools which we will be using to implement the projected system, viz., Android Studio, Google Forms and R Studio.

Android Studio:

Android Studio [2] is the best official Integrated Development Environment (IDE), specifically for developing high quality applications that run on devices based on Android operating system. It has various features like gradle integration, drag and drop facilities, advanced code editing, debugging and testing, due to which it has become much popular and is widely being used [3]. As android studio supports instant building and deployment of application on any android device or emulator, hence we are using it for building our app which has various complex features.

Google Forms:

Google Forms [4] is a tool that is free with one's Google account and have various exiting features like one can add any standard question types, drag and drop the questions in any order, the form can be customized with simple photo or any colour themes, and gather all the responses of the forms directly into a Google spreadsheet. As Google forms are eco-friendly and virtually unlimited number of people can be connected from any corner of the world, therefore we will be using it for conducting an online survey, so as to identify more problems faced by working women.

R Studio:

R Studio [5] is an open-source Integrated Development Environment (IDE) for programming in R language. It is mainly used for statistical computation and graphical representation of various results[6]. As R Studio supports descriptive analysis and has publication quality graphical results, therefore we will use it for analysing our survey forms in order to identify more problematic areas and also compare the previous researches and work with that of ours.

VII. PROJECT INSIGHTS

'EaZy_BuZy LiFe' is android application that inculcates various features that indeed solves enormous complications faced by working women. It is an amalgamated platform, with an easy to use interface that enables each individual to use it in an utmost convenient and competent manner. Currently, our app has a dashboard which assimilates nine modules, viz., Find Places, Cook Food, Task Manager, Latest News, Health Tips, Stress Management, Time Management, One Stop Shop and Security, as shown in Fig. 1. Few snapshots of currently implemented modules of the application are as shown in Figure 2 and Figure 3.

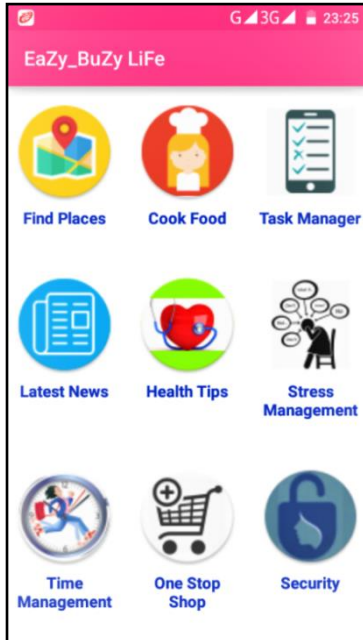


Figure 1. Main interface of "EaZy_BuZy LiFe".



Figure 2. Representing "Find Places" module.

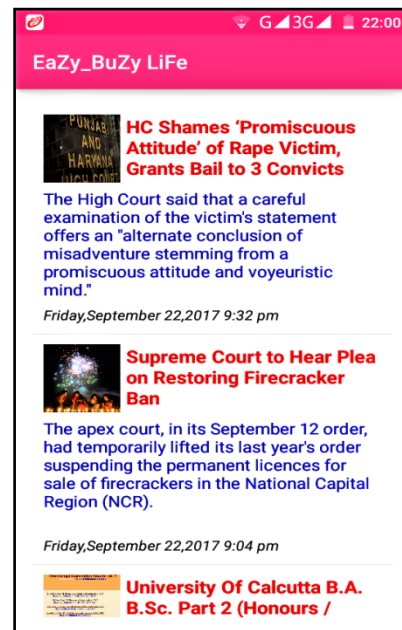


Figure 3. Depicting "Latest News" module.

VIII. CONCLUSION AND FUTURE SCOPE

In this paper, we have presented numerous impediments faced by today's working women and the hindrances of the already existing system. The authors of the paper have found the solution to these hitches and have proposed a system, "EaZy_BuZy LiFe" android application that rectifies all the issues of the extant systems.

In future, this research would be extended by taking the following things into consideration:

- ✓ Stress level of the user will be calculated and depending on it, various suggestions and tips will be provided.

- ✓ A discussion forum will be included in the application so as to provide a common platform for working women from different corners to interact and get each other's problems solved.
- ✓ By conducting the survey, Data Mining and Analysis will be done. Further, various problems identified by the survey's results will be taken into consideration and solved in our application.

IX. REFERENCES

- [1]. Tomlinson, B. R., "The Economy of Modern India: From 1860 to the Twenty-first Century", New Delhi: Cambridge University Press, Vol.3, 2013.
- [2]. G. Delina, R. Prabhakara Raya, "A study on Work-Life Balance in Working Women", IRACST-International Journal of Commerce, Business and Management (IJCBM), ISSN: 2319-2828 Vol. 2, No.5, October 2013.
- [3]. Tharini Ramanathan, Ramanathan Mohan, Ganesh Rajendran, "Research Reviews on Stress among working women in IT field", International Journal of Scientific and Research Publications, ISSN 2250-3153, Volume 4, Issue 9, September 2014.
- [4]. Dileep Kumar S, "Health and Well Being of Working Women: A Socio-psychological Study", International Journal of Engineering Science and Computing, Volume 6 Issue No. 8 August 2016.
- [5]. Sridhar Mandapati, Sravya Pamidi, Sriharitha Ambati, "A Mobile Based Women Safety Application (I Safe Apps)", IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 17, Issue 1, Ver. I, Jan-Feb. 2015.
- [6]. <https://play.google.com/store?hl=en>

Ms. Neetu Anand pursued Master of Information technology from GJU, Hissar, Haryana. She is currently pursuing Ph.D. and currently working



as Assistant Professor in Department of Computer Sciences, Maharaja Surajmal Institute, GGSIP University, Delhi. She is a member of CSI. She has published more than 15 research papers in reputed International journals and conferences including IEEE, Elsevier and Springer. Her main research work focuses on Web mining, Cloud Security and Privacy, Big Data Analytics and Data Mining. She has 17 years of teaching experience.

Ms. Dhruvi Goyal is pursuing her BCA from Maharaja Surajmal Institute, GGSIP University, New Delhi. Her one paper is already



published in LNCS series of Springer. Her key programming skills are C, C++, Java, HTML, CSS, PHP and Android. Her main area of interest includes Data Mining, Machine Learning and Sentiment Analysis. She has already won awards in Quiz and Programming Competitions.