

A Review on Development of Android Based E-Laundry System

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Abstract : *The age of the internet and smart application has created a great challenges for the owners of companies and institution providing services of all kinds, as the internet and application have created new virtual world that is not limited by limits , time or place facilitating many services and developing many areas .React native and python for developing smart application development languages such as android and other languages which gives great potential for its proximity to the human language in this project we will talk about the production of an android application linked to web control panel that provides services directed to the service sector and we specially mentioned public washing places and we will study the system from where the creation and technology used, then we will address the target tree, market needs and other services.*

Keyword: Clothes washing , Ironing , Tracking ,data managing

I. INTRODUCTION

In today's modernization flow of the world has weakness tremendous changing life style of society android based application managing laundry services has been well accepted especially in developing country. This e-laundry app contained to dry cleaning and e-laundry services. Its essence is really simple such as clothes washing and ironing and steaming. And other different services provide to customer your clothes are picked up straight from home and returned clean. Such an approach promises quality, clearness, safety... which is especially important today, given the pandemic. This e-laundry app contains of admin and user, the admin can manage the user data like check the updated information and monitor services of customer. Thus user can manage itself its data like update, delete add new profile name.

II. LITERATURE SURVEY

Coin Laundry Association. (n.d). Industry Overview Additional Information .Retrieved [May 18,2017], [1]This Paper Coin Laundry” is a song performed and written by Lisa Mitchell. It was released as the lead single room 24 April 2009 by Scorpio .Coin Laundry charted inside the top thirty in Australia and was nominated for an ARIA Award in late 2009.

Jamgade,A.,[2017] “Online laundry services ,” international journal of scientific research in computer science . Engineering and Information Technology , [2]This paper contained an online and retail laundry services provider. Be it steam ironing ,starching stain removal , minor alternations, laundry and dry- cleaning .you can rest, assured that your precious garment is taken care by professionals and cleaned with best possible care- Each time ,every time.

.Rupnik ,R.[2009] “Mobile application development methodology ,” handbook of research in mobile business: technical ,methodology and social perspectives, [3] This paper contained mobile app development process is defining the strategy for evolving your idea into a successful app. You may include a more significant part of this in your overall enterprise mobility strategy. As one app’s objectives may differ from another , there is still an app-specific impact to the mobility strategy to address during the development process.

Ye, H. [et al., 2018] “User service innovation on mobile platforms : investigating impacts of lead pointless , Toolkit Support, and Design Autonomy ,,”MIS quarterly , [4] Service innovation is increasingly being recognized as an important strategy form firm to sustain competitive advantages. The interconnectivity and interactivity afford through information technology (IT) has transformed how new services are created ,delivered ,and experienced. With the newness of the phenomenon and the lack of understanding , information system (IS) research examining the influences of innovative of IT- enabled service on its performance has been limited.

Grover, V ., [et al., 1993]“ Information technology authorized business process redesign: an combined planning framework ,” Omega, [5]Organization intend to redesign their ordinary process, and to change their business processes, in order to remain competitive, to obtain success, and to0 keep up with technology innovations.

Dr. Bozarth’s research on “ERP Implementation Efforts at three firms : Applying lessons from the SISP and IT – enabled change literature” which is scheduled to appear in the International Journals of Operations and production management, [6] This model supports the following MLL processes; awareness , collection , verification. storage,Dissemination and reuse. This study adopts the paradigm of the Design science Research and the Technical action Research method to instantiate the Target model in the implementation phase. .

Priambodo, B.,[et al., 2016] “M-Laundry advertisement system utilizing location based service,” international Journals of advanced research computer science and software engineering, [7] Through browsing literature. It can be determined that research seldom investigates the laundry sectors, and the redesigned of its business process, through providing services online through mobile applications.

Ramakrishna, V. , [et al., 2017]“Mobile application user analytics. In mobile application development , usability , and security,” [8] With the rapid development of the internet and mobile technologies these technologies have led to development of mobile business, which is becoming increasingly innovative and diverse.

Bolah, P., “[et al., 2003]Influence of internet and Information technology on work and human resource management, “Information Science, [9] Many business sectors have developed mobile applications designed to market their business services and goods.

C.L Senhan , [et al ., 2006]“Deconstructing Laundry 39 Michigan family Review,”[10]In this paper we examine the way in which the laundry technology examine the cost of laundry located areas.

N.R. Council, [2011]The future of computing performance Washington, D.C: National Academic Press, [11] In this paper had defined about the performance of computer which contained many testing performance of computer in which metrics and benchmark testing is involved .

R. Thamizharasi,[2016] “ Android mobile application Build on Android studio, “International Journal of Modern Computer science(IJMCS) , [12] This paper contained the installation process of android studio shows that your application is running in your device .

N.Singh,[2016] “ Study of Google Firebase API for Android,” International Journals of Innovative Research in Computer and Communication Engineering ,[13]This paper had the information about the database of the application is stored through the firebase or with the help of SQL file and the frontend of the application is designed by the XML file.

V.D Soni. [2020]“ Management Information System :Mastering the Discreet planning .” , International Journals for Research in Applied Science And engineering Technology(IJRASET), [14] This paper contained the information about laundry firms which contained the details of clothing which having some mix of clothing will be happened so there is a loss of customer clothes and also multiple information of customer occur(),

E,Ochel. [1971]“Problem of Laundry Management”. Condition hospital, Passim, [15] This paper has the information about the issues that are occurred in the laundry this having the details of the management of laundry services.

N. Norolazmiet.all.[2018] “The Effect of Electronic Record keeping Implementation of Information Intensive Agency.” International Journal of Engineering and Technology, [16] This paper contained the management of the laundry operations and retrieval of data on the information and without having loss of data .

S.Avron .[2017]4 effective ways to manage resources more effectively in operations supply chain .[online], [17] This paper has the laundry services gives the ease to the customer for log-in and sign-up in the application. The online laundry application provides customer services that firm contained automation of operations performed in the laundry.

O.Shoewu,N., [et al., 2017]D.A. Philips, and A. Emmanuel . “Design and Implementation of a laundry management system”. The specific Journals of Science and Technology , [18] This paper has the details of the laundries which they will not to manage the documentation of the laundry services and the operation which are performed in laundry will be gives the ease of use through the application.

A.Tarantolla. [2014]“ There’s a Better way to dry clean your clothes”, [19] This having the information of the cleaning business of clothing get increases day by day that the clothes get into the laundry which tagged the clothes dividing the clothes by tagging and making the groups of the clothes.

S. Barrett ., [et al., 2016]“ Automated Laundry Processing System”, [20] This having the details of manual method is best but it may contained the mixing of clothes with each other and the automatic services are provided in laundry application which gives the easy delivery of clothes and fast and with high efficiency.

R.Rainer ,[et al., 2012] Introductive information system :support and Transforming business fourth edition .New Jersey :John wiley and sons .Inc. [21] This paper has the information about this manual methods worth but are to errors such as mix-ups, loss of customers items and delay in delivery .Thus is the reasons to automatic laundry system for coordination and control 30 as to improve job delivery .

P. Gariele .,[et al., 2018]Information system for managers: with cases (Edition 4.0.ed).Prospect Press, [22] This paper has the information about the laundry management system permits business owners the trail large amount of specific laundry item faster with high efficiency by automatically the business produces one can dial with one’s time better and make enlightened business decisions.

[UNCTAD,2018]. “ Harnessing frontier technologies for Sustainable Development , “ Technology and Innovations Report 2018. United National conference on Trade and development . United Nations Publications, [23] In this paper has the information about while digital automation allows countries and businesses to produce goods and services at alarming scale increasing labour productivity and expanding operations marginal cost , this could minimize the need four manual works, recent advances in automation thus have the potential to affect a radical reshaping of work.

III CONCLUSION

In this paper, research is done on mobile application that is mainly designed for laundry purpose. This application is not only work on any specific place it will work in all places. The main aim of this application is to provide help for those people who are living outside of their houses and also for those unemployed- washer- man who have less work. With the app, customers can order ahead, track and order; simply find their dry cleaners nearest store. The paper has highlighted the current importance of smart phones and the electronic services which can be offer through mobile application and their contribution to redesigned and changing ordinary processes of business sectors

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REFERENCE

- 1 Coin Laundry association . (n.d). Industry Overview Additional Information. Retrieved May 18, 2017, from Coin Laundry Association
- 2 Jamgade , A., “Online laundry service,” international journal of scientific research in computer science. Engineering and Information Technology , vol.2, 2017, no. 1,pp. 195-197
- 3 Rupnik, R. “Mobile applications development methodology,” handbook of researcg in mobile business: technical, methodological and social perspectives, 2009, pp.160-172.
- 4 ye, H. and kankanhali, A., “User service innovation on mobile phone platforms ;investigation impacts of lead pointless, Toolkit Support, and Design Autonomy , “MIS quarterly, vol. 42,2018, no. 1,pp. 1-47.
5. Grover, V. Teng, J.T.C and Fieldler, K.D., “ Information technology enabled business process redesign; an integrated planning framework,” Omega,vol.21,1993,no. 4,pp. 433-447
6. Dr. Bozarth’s research on “ERP Implementation Efforts at three firms ; Applying lessons from the SISP and IT-enabled change literature” which is scheduled to appear in the International Journals of Operations and Production Management
7. Jamgade, A., “Online laundry services,” international journal of scientific research in computer science. Engineering and Information Technology, vol. 2,2017, no. 1, pp.195-197
8. Priambodo,B. and Ani, N.,”M-Laundry advertisement system utilizing location based services,” international journal of advanced research in computer science and software engineering ,vol. 6,2016, no. 6, pp.59-63
9. Ramkrishna, V.and Dey, K., “Mobile application and user analytics. In mobile application development, usability, and security,”2017,pp.231-259.
10. Bolah, P.and Trkman, P.,” Influence of internet and information technology on work and human resource management,” Information Science, vol. 6,2003,pp.498-505.
11. C.L Shenhan and A.B Moras, ”Deconstructing Laundry 39 michigan family review ,”2006.

12. N.R Council, The future of Computing performance Washington,D.C: National Academic Press,2011
13. R. Thamizharasic; “Android mobile application build on Android studio, “ International journals of modern computer science(IJMCS),pp.1-4,2016.
14. N.Singh, “ study of Google Firebase API for Android International Journals of Innovative Research in Computer and communication Engineering , vol.4, no.9,pp.16738-16739,2016.
15. V.D Soni. “ Management Information System; Mastering the Discreet planning.” , International Journals for Research in applied science and engineering technology(IJRASET),8(6), 2020
16. E.Ochnel. “ Problem of laundry management .Condition hospital, Passim,48(11),1971.
17. N.Norolazmiet .all. “ The Effect of Electronic Record keeping Implementation of Information Intensive Agency. “ International journal of engineering and technology, 7(3), 2018.
18. S.Avron. 4effective ways to manage resource more effectively in operations and supply chain 2017.[online].
- 19.O. Shoewu, N.T . Makanjuola,D.A. Philips, and A.Emmanuel. “Design and Implementation of a Laundry Management system”.
20. A.Tarantola. “There’s a Better way to Dry clean your Clothes”, 2014
21. S.Barrett, K.Gu and H.VI. “Automated Laundry Processing System” , 2006.
22. R.Rainer, J.Kelly and C.Cagielski, Introductive to information system : support and transforming business fourth edition, New Jersey;John Wiley and sons.Inc.2012.
23. P.Gobriele and P.Federico. Information system for managers;with cases (Edition 4.0.ed). prospect press,2018.
24. (UNCIAD,2018). “ Harnessing frontier Technologies for Sustainable Development, “ Technology and Innovation Report 2018, united Nations conference on Trade and development. United Nations Publication.