Abstract

In the light of providing a solution for the elderly and differently abled to obtain smart home delivery of essential household commodities, a brand new mobile application named "E-shopper" is introduced. In the present day context, the rapid escalation of the cost of living has become a very crucial factor and a challenge for every person. Thus, the authors decided to build a cross-platform mobile application to facilitate their needs and wants effectively and efficiently. In the system, the application decides the best supermarket to buy the specific item list provided by the customer by displaying automated customized preferences by analyzing the least total cost for the list of products. The application will show the nearest branch of the particular supermarket for the customer’s location by using outdoor navigation. Moreover, a delivery method will also be provided by the application to make it more convinient for the customer. Since the increase in elderly and differently abled population becoming a crucial factor in the world; the authors decided to use voice method parallel to the normal mode (for regular customers) in the application. Three parties will involve in the e-system such as regular
or differently abled clients, administrators and finally those who deliver. On the other hand, the
delivery services will benefit through this system and their delivering companies will also be
marketed. Therefore, this system introduces a brand new shopping concept for the customers in
addition to the golden opportunity that other parties included in this system will have in boosting
their revenue.

References

4. Vladimir Kulyukin, Aliasgar Kutiyanawala, “Accessible
5. Shopping Systems for Blind and Visually Impaired Individuals: Design Requirements and
the State of the Art” [online] Available at: https://www.researchgate.net/publication/228366395
Accessible_Shopping_Systems_for_Blind_and_Visually_Impaired_Individuals_Design_Rquirements_and_the_State_of_the_Art [Accessed 12 Aug. 2017].
CPU/GPU systems - IEEE Xplore Document. [online] Available at:
outdoor navigation system using GPS and inertial platform - IEEE Xplore Document. [online]
2017].
Capabilities - IEEE Xplore Document. [online] Available at:
12. Terry L. Childers, Carol Kaufman-Scarborough, “Expanding opportunities for online
13. Rahul Bhoyar, Nitin Chopde, G.H. Raisoni, “Cloud Computing:Service models, Types,
Database and issues”, Available online,International Journal of Advanced Research in
ComputerScience and Software Engineering - Volume 3, Issue 3, March2013 ISSN: 2277 128X,
14. "Google Maps Draw Route between two points using Google Directions in Google Map
Android API V2", Android tutorials for hassle-free androiddevelopment and programming, 2017


**Index Terms**

Computer Science Information Systems

**Keywords**

Smart Home Delivery; Voice Recognition; Automated Preferences; Database Optimization and Clustering; Delivery Scheduling