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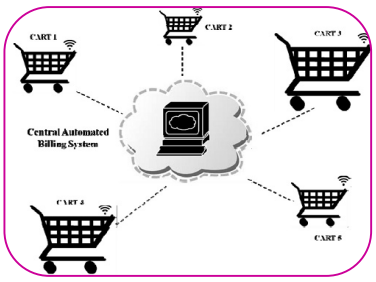
SMART TROLLEY WITH AUTOMATIC BILLING



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ABSTRACT

Today obtaining and shopping at shopping centers is one of the day by day action in urban areas. We can watch surge at shopping centers stores on vacations and ends of the week too. People groups are moving towards shopping centers stores much more when there are uncommon offers and markdown. Individuals buy diverse items and place it in trolley. In the wake of shopping client needs to go to the charging counter for installments. At the charging counter the clerk approve the bill utilizing standardized tag scanner which is an extremely tedious process and because of this people groups need to hold up in long lines at charging counters. Our goal is to build up a framework that can be utilized in shopping centers and stores to take care of the previously mentioned issue. The framework module will be put in each trolley. It will comprise of a Radio Frequency Identification peruser module. Every one of the items in the shopping center or store will have RFID labels connection. At the point when a man puts any items in the trolley, each time its code will be recognized by peruser and the cost of those items will be put away in memory. As client put the items, the costs will get added to conclusive bill sum. So the charging and count will be done in the trolley itself. Thing name and its cost will be shown on LCD/Display unit. At the charging counter the aggregate bill information will be send to Computer System by remote RF modules.

KEYWORDS : *Radio Frequency Identification , Computer System , extremely tedious process.*

INTRODUCTION

Speed is a critical parameter in any work done by PC. There are loads of existing strategies which are utilized in shopping since numerous years prior, for example, Barcode, OCR, and Smart Card and so on. In any case, because of issue of speed and uprightness we need to run with RFID. We can accomplish quick speed and straightforward tasks by utilizing Radio Frequency Identification Technique. Presently accessible strategy in shopping centers is Barcode technique. In this technique there are Barcode names on every item which can be perused uncommonly structured Barcode perusers. A Barcode peruser (or Barcode Scanner) is an electronic gadget for perusing printed Barcodes. Like a flatbed scanner, it comprise so flight source, a focal point and a light sensor making an interpretation of optical motivations into electrical ones. Furthermore, about all Barcode perusers contain decoder hardware dissecting the Barcodes picture information given by the sensor and sending the Barcodes substance to the scanners yield port.

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