



Unique Item Information Using RFID

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Abstract — Item Information using RFID is one of most important web based system for any organization to improve their accountability. This system is to be useful for large scale industry. Sensor Based (Radio Frequency Identification Device) is a means of capturing data about an object without using a human to read data, i.e., it is a method of remotely storing and retrieving data using devices. It is a technology similar in theory to barcode identification. Through the system, activities of procurement through management of Item can be administered on system which involves user categories. The amount of information, the complexity of the different new Items and the necessity to increase the Item activity, RFID used to force portfolio managers to use tools that reduce the work on all these topics. Billing information is the method that a company uses to track sales item tracking using RFID Unique code reading information. RFID tag attached with the sales item and the information of the Item stored in RFID like Warranty, Guarantee etc. RFID Reader read the information of the Item when the Item goes for sale or for billing. It provides more security compare to other methods.

Keywords: -Unique code generation, Security, RFID (Radio Frequency Identification Device) reader, RFID chip.

I. INTRODUCTION

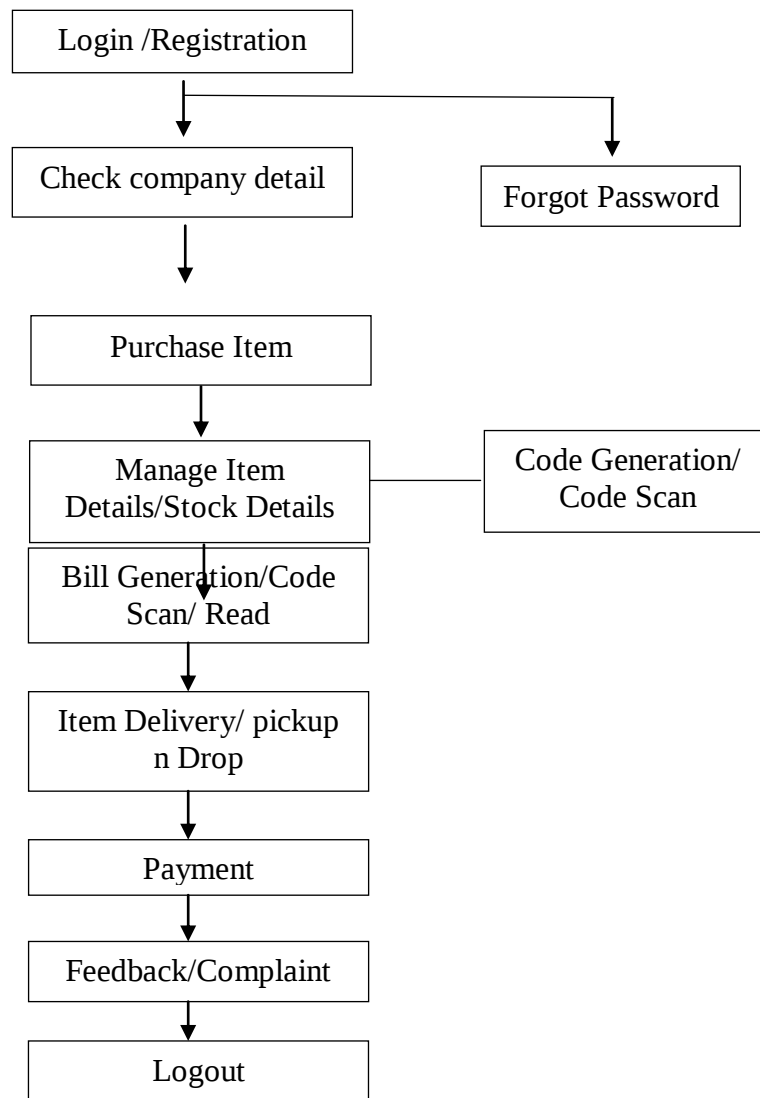
Item Information is a process which examines item to individual test item for their unique identification to assess the warranty and guaranty of those items and of the test as a whole. Item identification using RFID analysis is especially valuable in improving complaint services which will be used again in later for customer, but it can also be used to eliminate ambiguous or misleading items. This will provide more security to the product as well as the customer. In addition, item analysis is valuable for increasing item Separation among others. Item statistics are used to assess the performance of individual test items on the assumption that the overall quality of a test derives from the quality of its items.

II. UNIQUE ITEM INFORMATION USING RFID

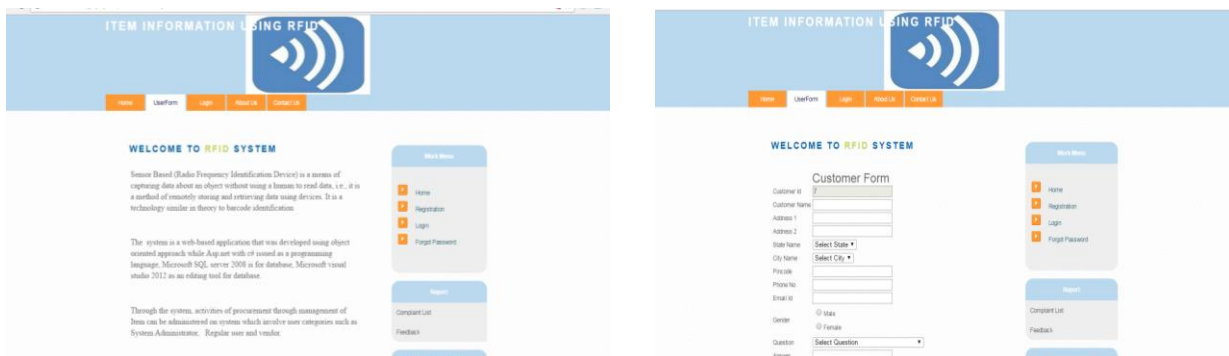
User has to login into the system. The shopkeeper or employee as well as a dealer dealing with the system have to register. The RFID chip containing the unique code will fetch the primary details of the product on scanning. RFID tags supports a huge set of unique codes than bar codes and can incorporate additional data such as manufacturer, product type. [4] Radio frequency identification technology has moved from obscurity into mainstream applications that help speed the handling of manufactured goods and materials. RFID enables identification from a distance, and unlike earlier bar-code technology, it does so without requiring a line of sight. [6] When customer will purchase the item, he/she will have to register. Further the registered details will be fetched by scanning the particular product RFID code. Moreover, if incase the customer misplaces hardcopy of the bill, all the details like guaranty, warranty, bill details will be available just on scanning the object purchased. This is the advantage of the system. Other than these details of item delivery, stock maintenance will be managed. The system will also look up for the feedback and complains fired up by the customers.

III. PROPOSED METHODOLOGY

3.1. System Flow



IV. RESULTS



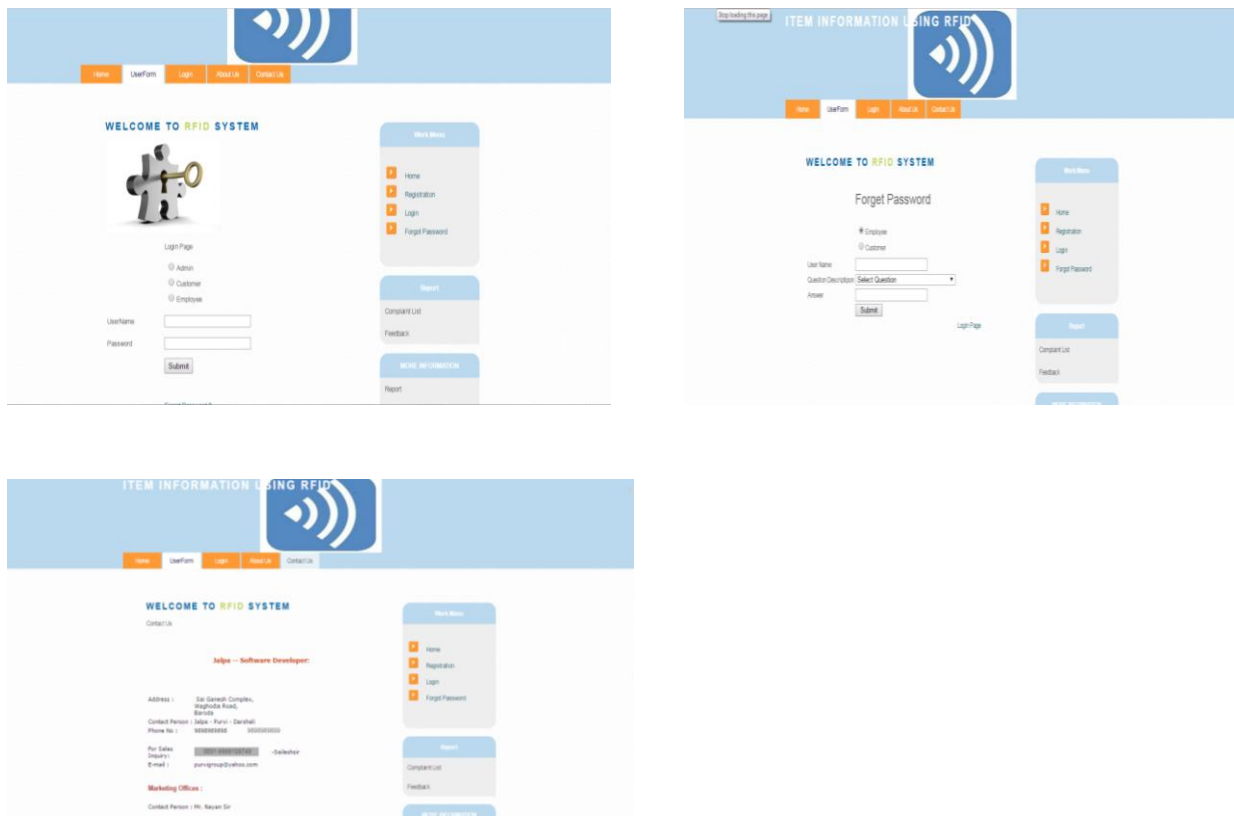


Figure 4.1 Results

IV. CONCLUSION AND FUTURE WORK

Our RFID system will provide more security to the product, loyalties will also be maintained in our system and justify the privacy of the product. In the future, we will work on the implementation part of our project. It is possible to make this website work for overall India. We will make it Language compatible. We will add module of replacement of item and also add GPS system to find the missing products from available stock which is an important feature of the system. We will try to implement all the features described above.

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