Department of Computer Science & Engineering

Problem Solving with C Laboratory-UE20CS152

Apr-Aug, 2021

Mini - Project Synopsis

Date:17/6/2021

TITLE: Medical Inventory Management System

Objectives:

To create software that can keep track of a medical supplies warehouse's inventory and remove and add things based on billing. Encrypted binary files are used for all billing and item updates. Payment data is also processed in a similar manner.

Description in points:

- **Menu driven system: which features options for new purchase, add item, delete items, view database, change encryption key, exit**
- **Unique datatypes to hold payment info, items in inventory & bills**
- **Encryption method: encryption is done using the method of "Playfair cipher" which takes in the details of inventory, payment info and invoices.**
- **The encrypted data gets uploaded to the data base file through a function and keeps getting updated with every purchase.**
- **The data in the file can be viewed at any given time from a function created to view the binary file.**
- **When the data is called the encrypted data is decrypted and is displayed by extracting it from the data base file.**

Current Status of Implementation:

- **Functions for creating, viewing and deleting data from the binary file created**
- **Datatypes to hold payment info, items in inventory & bills**
- **Cypher to encrypt and decrypt**

Team Details:

#	Name	SRN	Signature of Student	Remarks by Faculty

1.	SRIRAM R	PES1UG20CS435		
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