

University of Guyana 2021/2022
CSE2101 Software Engineering
Semester Project
Submission o
Problem & Solution

Group Members:

Elon Burgess	1040464
Triston Evelyn	1040245
Chantelle Xavier	1034748
Faraz Yassin	1040202

Submission o

Organisation: Guyana Defence Force

Relationship to the organisation: E. Burgess - Employee

This project aims to address an existing issue within the Guyana Defence Force Stocks Department. The goal of this project is to simplify the process by moving away from a paper-based filing system. The implementation of this project would see a drastic change in the record-keeping procedures which would improve the efficiency and accuracy of their inventory management system.

The Guyana Defence Force has faced issues relating to inventory record-keeping, and stock monitoring. With the help of this database, units within the GDF will be able to see the number of materials available in the inventory and request materials when needed and update the system accordingly. A record of what units have been requested and received will be kept. When materials in inventory are low, a notification will be given, this allows time for the supplies to be restocked before they are completely used up. This database also focuses on the accuracy of numbers in stock. With correct numbers, balancing the inflow and outflow of materials will be made easy and the risk of ordering too few or too much of restocked items is significantly reduced. This system will ultimately increase efficiency and avoid any unexpected shortages of stock.

Aim

To create a database that:

- keeps records of materials in inventory
- records materials used or requested by the various units
- notifies when materials are running low