



NORTH SOUTH UNIVERSITY

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

PROJECT PROPOSAL

Course : CSE311.3-Database Management System

Project Title : Garments Management System

Faculty : Nusrat jahan Chowdhury

Submitted to : Nazmul Alam Dipto

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Group Number 13

Fariha Nur Hasin	1912148642
Tasnin Mahmud Sheyum	1911435642
Sadia Sharmin Swarna	1912986042

PROJECT PROPOSAL

“GARMENTS MANAGEMENT SYSTEM”

CSE311 - DATABASE MANAGEMENT SYSTEM

Introduction

Economy of Bangladesh is largely dependent on the garments sector. It has attracted world-wide attention in the sector of garments. Here about 1.8 million workers are engaged. Bangladesh is placed 12 among the garments manufacturing countries in the world. Thus management system of garments is an important issue to us as it plays an important role to the growth of our economy. Moreover, this sector is still using age old traditional system for all its tasks. so we were thinking to make a brand new software that can do many things so there will be less errors and every data will be available to the admins. This software application can also be used widely by various clothing organization. It can also maintain the daily records of garments, financial transactions and also can keep the track of how many qualified workers are working.

Objective

- To modernize and digitalize the garments industry.
- To provide information in minimum time and also with minimum effort.
- To offer better services in comparison with the services offered by the present system.
- To avoid human committed errors and misclassification as far as possible.
- To ensure the avoidance of the duplication of the various process.
- To make the system easily maintainable so that the workers and users of the system can handle the system satisfactorily with ease and convenience.
- To design the system smartly and efficiently so that it can become an ideal system for the purpose of use and study.

Target Customer

Owner of the Garments Factory.

Owner of the Clothing Stores company

Value Proposition

This software aims to free the industry from existing system boundaries. It will require less manpower because it can handle every data on their own. The only time it will need man power is when someone has to see the data and records. It will also save a lot of time for the company because every data is getting stored automatically. As the software is going to use paperless system so the outer face of the data will be more neat and clean. It will also make less errors than other existing systems or humans

Web Application Feature and Description

If admin want to use this web application, at first they need to register a new account. Admin can share the information of their own garments factory or clothing store. Through this application user can interact with any existing clothing factories and also user can have following options-

1. Admin can store the list of existing workers.
2. Clothing store or factory can see the garment type with their limiting stock of a particular garment factory.
3. Admin can easily keep the track of exporting or importing clothes.
4. Admin can store the data of annual income.

The admin can also share the graphic representation of the progress of their factory so that many clothing factory or others factory outside the country can have an idea of our garments factory.

Tools and Recourses

- HTML/CSS
- JavaScript
- Python
- PHP
- MySQL
- Web Server

Challenge

The biggest challenge is the size of the website and therefore the cost of the server needed. Since it will basically keep the data of garments industry so the size of this database can quickly increase day by day and the amount of data that this web app will store would be enormous. Secondly, the interface has to be very polished so a lot of work is needed in terms of UI and UX. Then The server must implement a well data security so that it can shields the organization against financial cost, loss of public trust, potential threats to brand reputation and future profit so it will increase the cost of the server. Thirdly, as it is a huge database it can have a lot of bugs so we need to be careful so that we don't face any error. Lastly, as it is a marketing business it can't contain the fake information.