PHASE 5 PROJECT

MyDuka

03-AUG-2024

TEAM COMPOSITION

Frontend Development of the different pages

—FRASIA NYAKUNDI

Frontend Design using Figma and deployment using render

—Barbara Ndiba

Backend Development - Users and Tokens models and routes

—Josephine Nzioka

Backend Development - Stores and Inventory models and routes
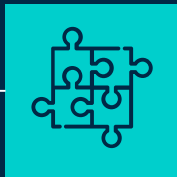
—Winnie Abuor

Backend Development - Supply Requests

—Sayialel Kantai

PROBLEM STATEMENT

Record keeping and stock taking are an essential part of every business entity. This is used to make more informed decisions in regard to different aspects of operations. There are several approaches to achieve this, but a few businesses get to use more noble options, like apps that can generate automated reports, hence this becomes a tedious task to get more accurate information due to different reasons.

SOLUTION

01

INVENTORY APP FOR STOCK TAKING

Develop an inventory application for stock taking

02

VISUALIZATION

Create a dashboard to visualize the data

PROJECT FEATURES

Below are the features of the MyDuka web application::

1. Users registration and authentication.
2. Dashboard to display number of users, products, stores.
3. Dashboard showing the summary of all items currently in stock.
4. Capability to add new products and update existing products..

Project Composition

React (Frontend)

- ReactJs
- Redux Toolkit
- Figma
- CSS

Flask(Backend)

- Python (Flask)
- PostgresSQL Database

OUR PROCESS

System design both
front and backend
DESIGN

Week 02

Development of the
frontend features
FRONTEND

Week 04

Week 01

BACKEND
Development of the
backend models and
creation of PostgresQL
database

Week 03

DEPLOYMENT
Application
deployment

MAIN CHALLENGES

REDUX
Learning Redux on the fly was a problem

Test Cases
Development of test cases using Pytest

Deployment
Backend deployment required some tutorial

Team Convergence
With the different schedules striking a balance was a challenge

RESOURCES

The resources below were used during the project cycle:

- Documentation and official guides for the different tools used
- Video tutorials
- Forums and Q&A websites e.g. stack overflow

Do you have any questions?

Reach out to any member of group 5

THANKS

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