**Invoicing Application**

Overview

An invoice is an itemized commercial document that records the products or services delivered to the customer, the total amount due, and the preferred payment method. The seller can send either paper or electronic invoices to the customer.

Many SMEs within the country rely on invoices to conduct their daily business activities. As a result, I believe this proposed invoice application will be beneficial to many businesses.

Project Scope

In order to achieve the above named, the project will implement various features, responsive web-based application system that will be accessible over the internet.

Life Cycle of an Invoice



Some of the core module functionalities include:

* Payment Tracking Module

A business is able to track payments made by customers within their business and what balances are due.

* Business analytics Module

A business is able to have brief and summarized analytics based on the invoice generated and received payments within the platform.

* Billing Module

A business is able to bill its customers through the platform while keeping track of payment records made by their customers

* Create & Send Invoice Module

Some of the features within the include:

* Creating a new invoice - bill your customers by creating an invoice. Here’s a quick guide to create a new invoice.
* Creating an Invoice from a Project
* Payments Received - View a list of payments received for invoices sent to customers.
* Recording Payments Manually
* Managing your Invoice Module

Some of the features include:

* Editing your Invoice
* Download, Print and Delete your Invoice
* Invoice Actions Module

Some of the features include:

* Convert your Invoice into a Recurring Invoice
* Create Credit Note
* Customizing your Invoice

High-Level Requirements

The system is web based application. As such, any device with internet access and the latest browser, will be able to access it.

Some of the automation features within the application include:

* Send invoices, receipts, estimates, quotations and bills via email
* Generate and send/download pdf invoices, receipts, estimates, quotations and bills via email
* Set due date.
* Automatic status change when payment record is added
* Payment history section for each invoice with record about payment date, payment method and extra note.
* Record partial payment of invoice.
* Clean admin dashboard for displaying all invoice statistics including total amount received, total pending, recent payments, total invoice paid, total unpaid and partially paid invoices.
* Multiple user registration.
* Authentication using jsonwebtoken (jwt) and Google auth

Deliverables

* User documentation manual.
* Technical documentation
* Application source hosted on Digital Ocean through docker
* Responsive web based application accessible through all media platforms

Affected Parties

Business Management

Affected Business Processes or Systems

* Accounts receivables
* Inventory
* Cash

Specific Exclusions from Scope

* Integration with existing systems (if any).

Implementation Plan

Further instructions from the lecturer will determine the implementation plan.