Problem Statement:

Companies need to bill their customers for services rendered. This software will allow for companies to generate and interact with bills in a billing management system. The software aims to create a billing management system that allows for bills to be created, read, updated, and deleted/ canceled by an admin that oversees general user accounts which can only read bills.

Scope:

The software will create personalized bills for individual tokens and users so only the correct user with the right permissions will have access to it

The admin has all the authority (create, read, update, and delete/ cancel) and the user can only read.

The software doesn't allow the user to edit or pay their bills.

Functional Requirements:

The system must allow accounts to log in and be created by entering their email and password.

The system will allow an admin to create a bill.

The system will allow an admin to read a bill.

The system will allow an admin to update a bill.

The system will allow an admin to delete a bill (remove it from the database).

The system will allow an admin to cancel a bill (show that the bill was removed).

The system will allow a user to only view a bill.

The system will not allow a user to view other user's bills.

Non-functional requirements:

Token passing will be utilized (users cannot interact with other user's bills) thereby improving security.

The system must run on Windows and Mac operating systems.

The software must implement a backend database to store the information.

The system must be able to accommodate a minimum of 100 users.

The system will generate a bill in under 1s.