UKRAINIAN CATHOLIC UNIVERSITY

FACULTY OF APPLIED SCIENCES

Business Analytics & Computer Science Programmes

Employee management system

System analysis User guide

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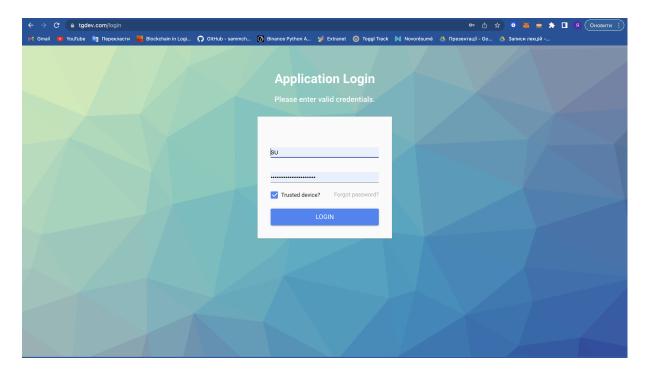
1 Introduction

Many companies in today's world have big problems with tracking all the data about their employees and inventory of the company. Usually, these are primitive systems or Excel tables that are not very convenient to work with. Therefore, we decided to try to simplify and get as close as possible to the best solution for most companies.

In order to understand the problem, we interviewed three HR-managers and inventory-managers, who helped us to understand the whole problem and what to focus on for the best solution for customers.

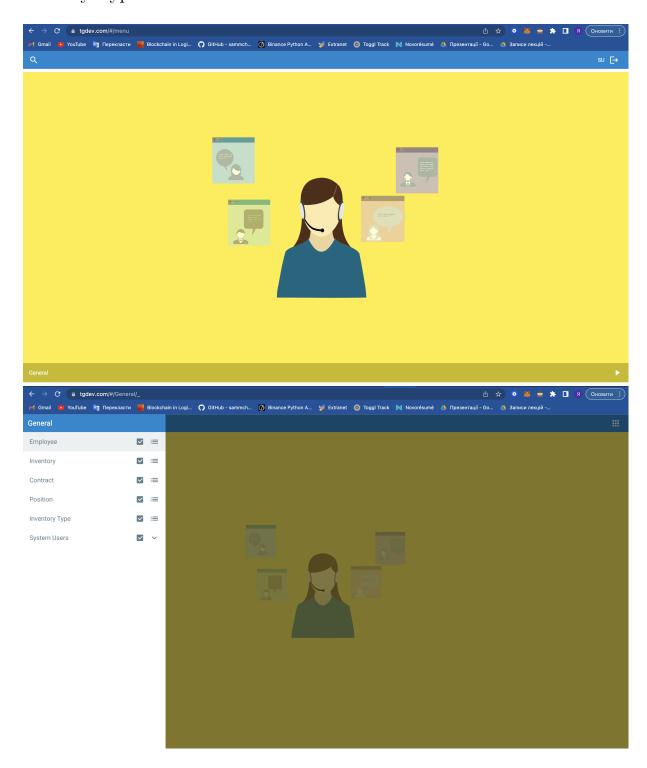
2 Entities

- In order to access our system, the manager who has access must log in and create a password, and then freely use and change the information (database) contained in it .



After this we wil go to Menu, where we Should find 5 Entities.

- Position
- Contract
- Inventory
- Inventory-Type



2.1 Employee

This Entity includes Name, Surname, Email, Date of birth, Position

Name - String;

Surname - String;

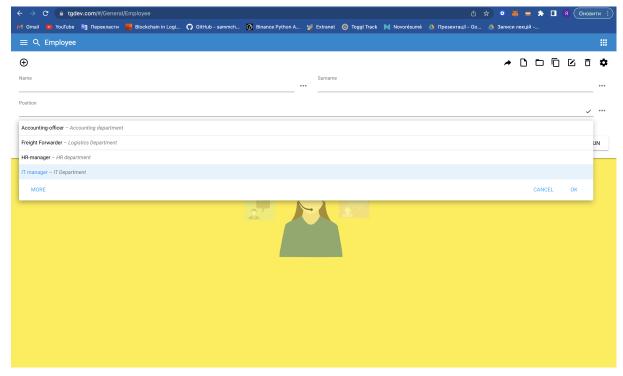
Email - String;

Date of birth - Date

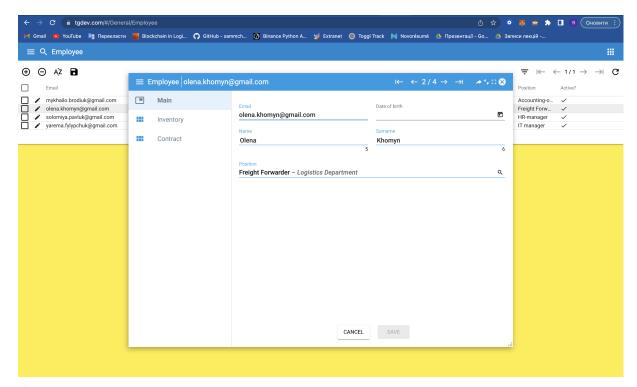
Position - Entity Position (autocompleted from Entity Position, which we will explain a bit later).

Property Date of birth excepts only dates, but it is not necessary unlike all the other properties

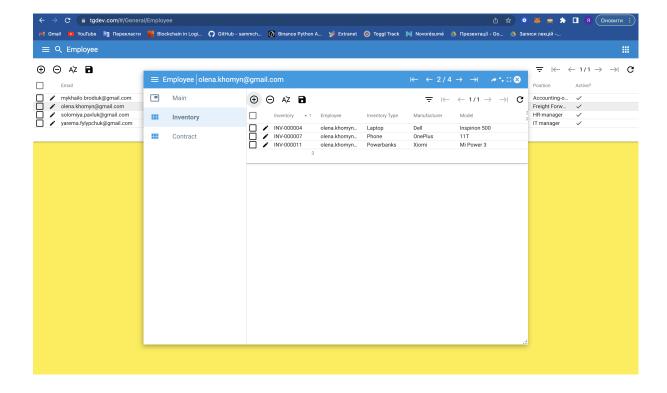
User should use these parameters for sorts and search.

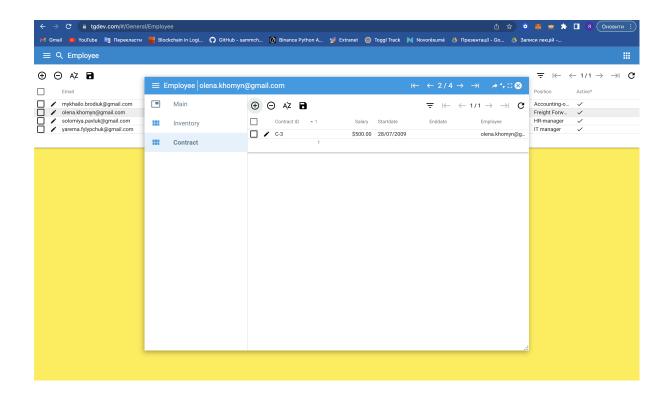


Here we should add/change Employee



As you see its compound master, so we also can see employees inventory and contract from there.





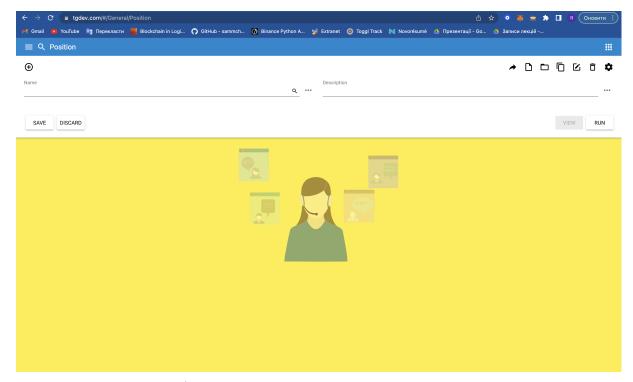
2.2 Position

This Entity includes Position Name and Description

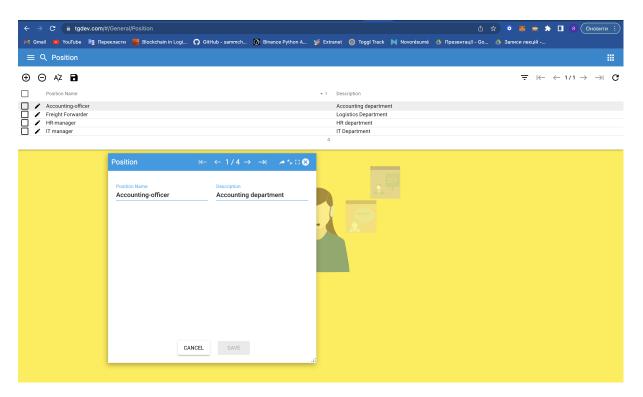
Position Name - String;

Description - String;

User should use this Entity for specializing each position and details of works.



Here we should add/change Position



2.3 Contract

This Entity includes Contract id, date the employee start working in the company and date of expiration of the actual contract, Salary, Description Contract id - String;

Start Date - Date;

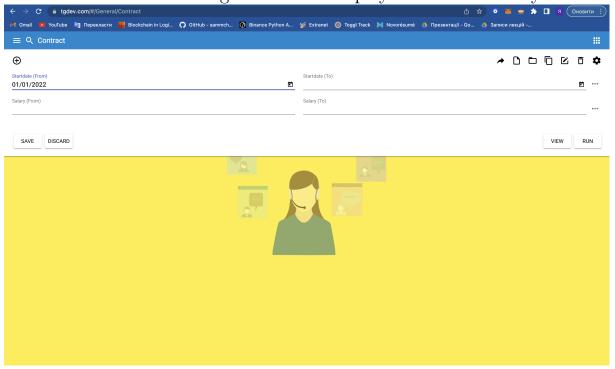
End Date - Date;

Salary - Money;

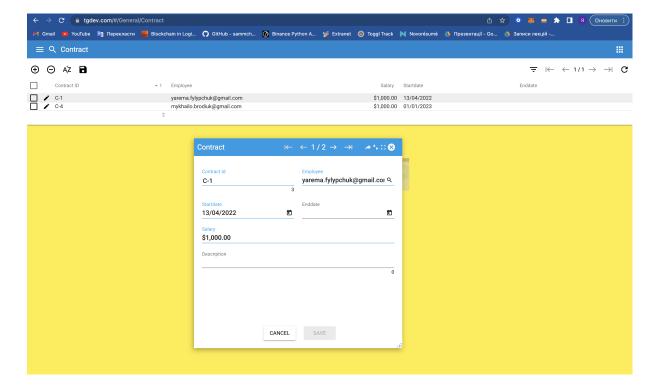
Description - String;

This Entity is created for user to capture details about each employee contract, such as its length and monthly salary

User should know how long works each employee and their salary.



Here we should add/change Contract



2.4 Inventory

This Entity includes unique identifier of the inventory, employee inventory belongs to, inventory type, manufacturer, model, date of purchase. Inventory number - String; It is unique identifier, assigned in following form - INV-XXXXXX, where XXXXXXX is a number padded with zeros to the left. Number is auto-incremented with each inventory unit creation.

Employee - Employee;

Inventory Type - Inventory Type;

Date of purchase - Date;

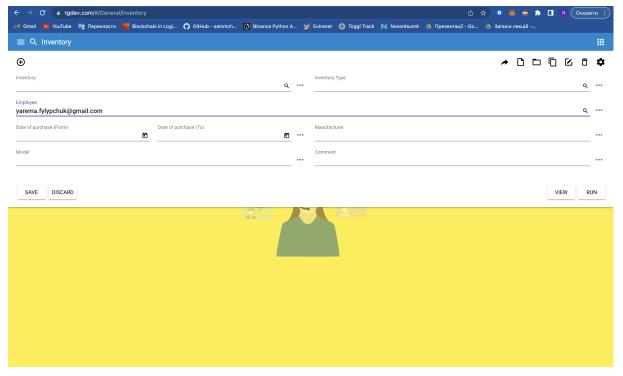
Manufacturer - String;

Model - String;

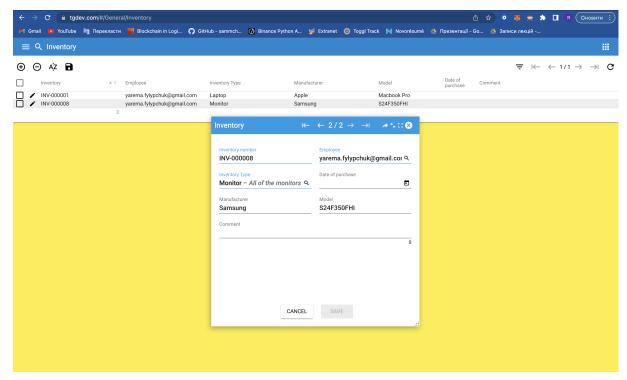
Comment - String;

This entity is key for inventory management. We can assign a specific inventory unit to an employee and reassign it to another employee very easily. We also can easily filter for all the inventory specific employee has. We also can filter by all inventory, manufactured by Apple, what also can be very useful in real-life situations.

Inventory Search:

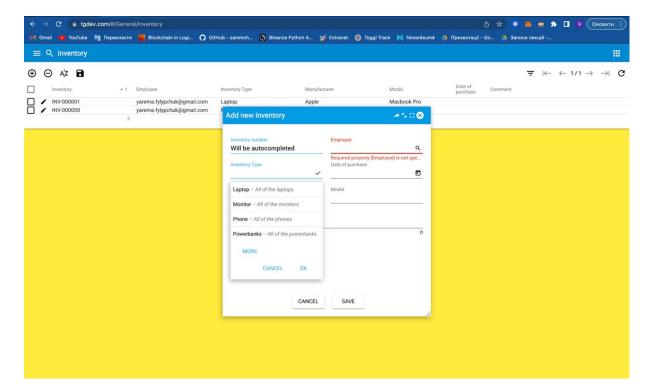


Inventory creation and edit page:



As you see, Inventory number field is prepopulated with text "Will be autocompleted" in order for user to understand that no matter they input there, the number will be autogenerated.

Also, you can see that a property Employee is required and we cannot save new inventory without specifying it. Inventory Type is autocompleted from entity Inventory Type, which we will explain in a moment.

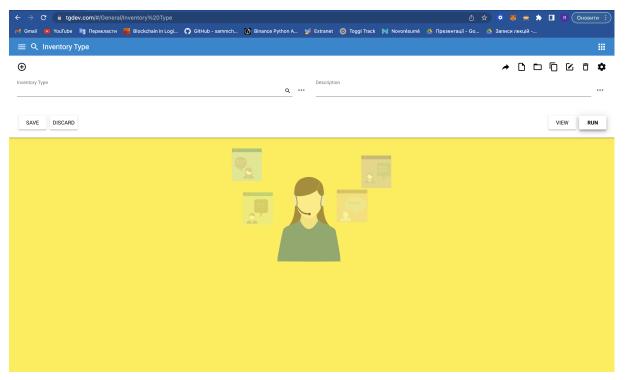


2.5 Inventory Type

This Entity lists all the types inventory can be. It is, for example, Laptops, Phones, Powerbanks, Monitor.

Inventory Type - String; Description - String;

Inventory Search:



Inventory Type creation and edit page:

