**Requirements analysis**

**Total System**

**Software Requirements**

Desktop software

Website

**Pumps Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| diesel | 80 | 92 | 95 |
| 5 | 1 | 2 | 2 |

**Main Requirements**

System Users

Data: Username, password, and role (admin, accountant, or employee).

Can: login – add user – delete user – update user.

System movement (logs)

On: website and software.

Login activity

On: website and software.

Prices

Can: edit gasoline prices.

Daily shift

Start From 12 PM to 12 PM (24H)

Data: Pump number, pump type, start\_code, end\_code, total\_liters.

Enter the start code and end code of each fuel pump and display the total liters.

Oils

Data: Name, price

Can: Add, delete, and edit oil data.

Store: Beginning balance, ending balance, and inventory stock.

Shift: Beginning balance, ending balance, and sold items.

Expenses

Data: Amount, document (purpose)

Can: Add and delete expenses.

Coupons

Data: Gasoline type, issuer, coupon serial, and quantity

Can: Add and delete coupons.

Have: Coupon matching (Coupon statistics).

Credit Customers

who take the petrol in advance and pay later.

Data: Name, national ID, and phone number

Can: Add and delete and edit customers and add a document (purpose) and the amount and select the customer.

Cash Register daily

Daily statistics.

Cash movement

Can: Add and delete statement (name).

Have: Receipts (Statement, document, and amount), Payments (Statement, document, and amount).

Accounts: Person, document, and amount.

Daily journal entry

Daily cash movement statistics.

Possibility to add transfer price and price difference.

Employees

Data: Name, national ID, phone number, job, and salary.

Can: Add, delete, and edit employees.

**Team**

|  |  |
| --- | --- |
| **Name** | **ID** |
| Abdelrahman Tharwat | 221100039 |
| Ahmed Mohamed | 221100128 |
| Karim Mamdouh | 222102535 |
| Shrouq Hisham | 223108628 |
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