DBMS PROJECT

Project Title :- Online Groceries Application

Team Members :- Rithwik Lagishetty (19XJ1A0536)
                Nikhil Sai Reddy (19XJ1A0544)
                T. Abhinava sai (19XJ1A0581)

OVERVIEW :-

Idea:- To Design a Groceries Portal which is functional to both customer and employee.

Basic Features of the Project :-

1)Employees Page
- Employees can add a product.
- Employees can remove a product.
- Employees can change the price of a product.

2)Customer Page
-Customer can navigate through various categories of products, add desired products to his cart and then checkout.
- User Info and previous transactions can be viewed.

Additional Features :-

-Employees can view the sales graph..

FRONTEND:-
The Front end was done using JAVA swing. The UI is an application which is offline and hence local to the users.

The Old Frames of our UI :-
https://docs.google.com/presentation/d/1_HhoZ-oPJppbYowaDDWnJJBQbp8TiT0BVxSDJYH7vGc/edit?usp=sharing

The New Frames and Project Presentation :-
https://docs.google.com/presentation/d/1MBpjOcnVCwR0pR0cnGKb-K7KLhU_isabRERcWplumDM/edit?usp=sharing

BACKEND:-
Open for third party integrations. However we don't have our own Backend.

DATABASES :-
(MySQL)

Employee Table :-
-name(varchar(45))
-emp_ID(int) **PK**
-date_join(date)
-salary(decimal(10,0))
-role (char(1))
-dob (date)
-gender (char(1))

Customer Table ::-
-name(varchar(45))
-cus_id(int) **PK**
-phno(char(10))
-addres1(varchar(100))
-address2(varchar(100):
-city(varchar(20)
-state(varchar(20))
-pincode(char(6))
-dob(date)
-gender(char(1))

Product Table :-
- name(varchar(100))
- prod_id(int) **PK**
- price(int)
- stock(int)

Transaction Table :-
-transaction _id(int) **PK**
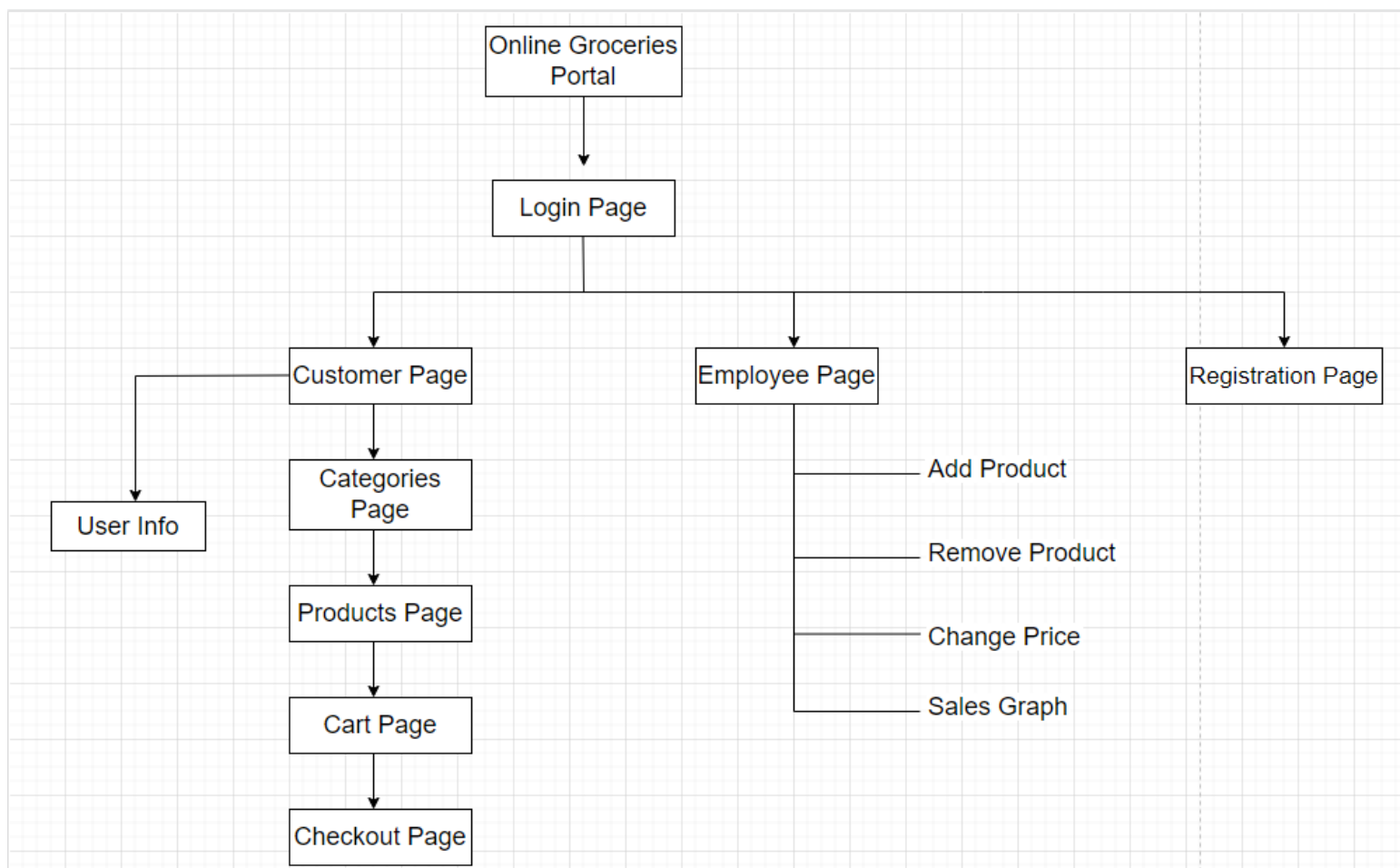-customer_id(int) *FK*
-total(int)
-date_time(datetime)

Login Table :-
-id (int)
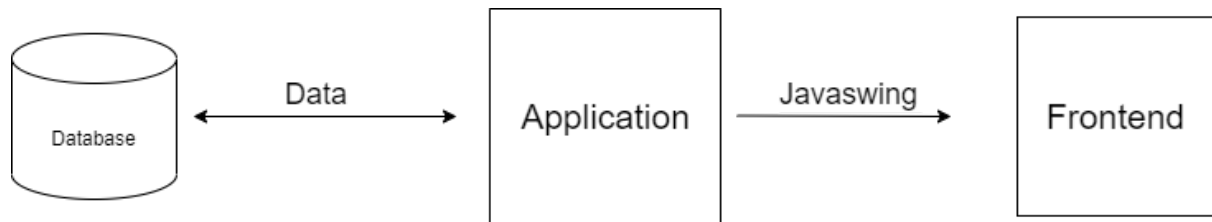-username (varchar(45))
-password (varchar(45))
-role (char(1))

Transaction Details Table :-

-transacion_id(int)
-product_id(int)
-quantity(int)
-total_cost(int)

NAVIGATION CHART:-

ER Diagram

employee
emp_id : int
name : varchar(45)
gender : char(1)
dob : date
role : char(1)
date_join : date
salary : decimal(10,0)

login
id : int
username : varchar(45)
password : varchar(45)
role : char(1)

customer
cus_id : int
name : varchar(45)
dob : date
gender : char(1)
phno : char(10)
address1 : varchar(100)
address2 : varchar(100)
city : varchar(20)
state : varchar(20)
pincode : char(6)

transaction
transaction_id : int
customer_id : int
total : int
date_time : datetime

transaction _details
transaction_id : int
product_id : int
quantity : int
total_cost : int

product
prod_id : int
name : varchar(100)
price : int
stock : int