QR CODE GENERATOR AND SCANNER

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Project Guide

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1. Introduction

1. In many supermarkets and general stores, companies find it tedious to provide all the details of the product concerned.

2. Due to the lack of space on the product cover, all the necessary information and details couldn't be printed distinctly

3. In the proposed system, consumers can directly scan the QR code generated by our system and thereby accumulate all the details of the commodity, such as name of company, name of product, date of manufacture, date of expiry, description of product, price of product.

4. The system will ensure all the necessary information collected on a single platform just by scanning a QR code, and save everyone's time.

2. Objectives

1. To build a user friendly, simple and significant system for supermarkets.

2. To provide relevant details to the user about the product.

3. To create a system which can save time and energy, and thus make shopping experience worthy.

4. To achieve an efficient and effective platform for supermarkets.

3. Scope

1. Customer can choose variety of products.

2. Company can mention date of manufacture and date of expiry.

3. Customer can avail a brief description of the product.

4. Customer can view the price of the product.

5. Admin can view and manage the registered user, generated QR and also allow access to other admins of supermarket.

6. The system provides a good user interface, worthy buying or selling experience.

4. Features /Functionality

1. It will be convenient for the shop-owners and buyers when it comes to shopping.

2. The system design being simple and significant, will provide all the important details to the buyers regarding the product.

3. Buyers can view all the details on their tips of tech devices simply by scanning QR code, thus saving time and energy.

4. The brands and products can be distinctly sorted out along with their respective QR codes.

5. Outcome of Project

1. Supermarket Employee can register by providing name, email-id, contact number, password and address.

2. Employee can login by entering username, password.

3. Employee can generate QR by selecting name of company, name of product, date of manufacture, date of expiry, description of product, price of product.

4. For admin access, the admin must enter username and password.

5. Supermarket admin can find and manage details of generated QR's, registered user and registered admin.

6. Operator can also ask doubts, give reviews and contact.

6. Technology Stack

1.IDE: PyCharm

2.GUI Development: Python Tkinter

3.Databse: XAMPP

QR CODE Generator and Scanner

Login page
Supermarket Manager can enter username, password, contact number.

Register Page
Sales person can register by providing full name, email-id, contact number, password, address.

Main Page
Supermarket can enter name of company, date of manufacture, expiry, description of the product, price of product.

Admin Page
Admin must enter his/her username and password.

Enquiry, Review
User can ask queries and also share the experience through the review page.

Upon entering user details, an email will be sent containing an otp which can be used for verification purpose.

Supermarket can generate QR by providing above details.

Customers can scan the QR code and view all the details of the product concerned

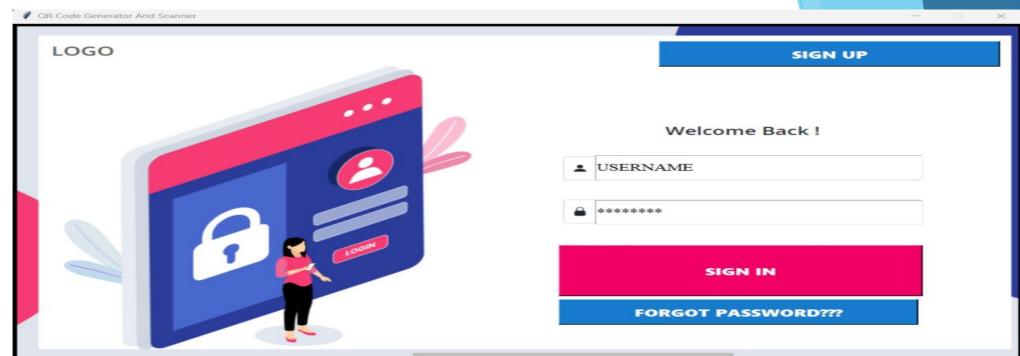Supermarket admin can find and manage details of generated QR's, registered user and registered admin
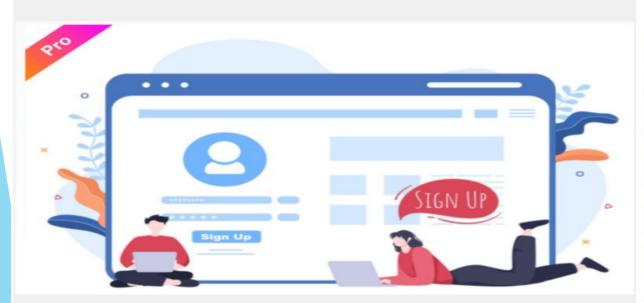
Important Features are as Follows :

- The above block diagram is made to highlight the key components in our project in a hierarchical layout.

- Within the title block there are 5 major subtopics which are main page, admin page, login page, register page, review page.

- Below the login page, the important functions are specified regarding what information will be displayed on scanning the QR code.

- Below the register page the steps to register are described.

- Below the main page the whole idea of the system is explained briefly.

- Admin page provides access to user details in the database and helps to manipulate data.

- Enquiry and review page enhance the features of the system.

- In this way the above block diagram mentions the project details efficiently and effectively.

References:

1. https://youtu.be/IOhZqmSrjlE
2. https://www.youtube.com/channel/UCA1UW__WEiBd1bmzyKlBUyw
3. https://youtu.be/yB85BQZX2c8

LOGO

SIGN UP

Welcome Back !

👤 USERNAME

🔒 ********

SIGN IN

FORGOT PASSWORD???

QR Code Generator & Scanner

Pro

SIGN UP

CREATE USERNAME

CREATE PASSWORD

CONTATCT NUMBER

EMAIL-ID

ADDRESS

ENTER AADHAR/PAN CARD NUMBER

Sign Up

REGISTER ME

QR Code Generator & Scanner

BACK

GENERATE NEW QR CODE

SCAN QR/BAR CODE

ADMIN ACCESS

CONTACT US

WRITE A REVIEW

Forgot Your Password ?

ENTER YOUR USERNAME

ENTER YOUR REGISTERED EMAIL ID

Back to signin

RECEIVE OTP

BACK

ADMIN LOGIN *?*

USERNAME

****

LOGIN

QR CODE GENERATOR & SCANNER

BACK

ADMIN DASHBOARD

REGISTERED USERS

GENERATED QRs

ADMINS

Left Window — QR Code Generator And Scanner

BACK

ADD USER

UPDATE USER DETAILS

DELETE USER DETAILS

ID

USERNAME

CONTACT

ADDRESS

PINCODE

ID	UserName	Contact	Address	PinCode
1	Sarthak	9820936633	Mumbai	400019
2	Mansi	9820549307	Mumbai	400018
4	Sarthak	9820936633	Mumbai	400019
10	CREATE USERNAME	CONTATCT NUMBER	ADDRESS	0
11	Prathamesh	9623055092	Mumbai	0
12	Prathamesh	9820936633	thane	0
13	CREATE USERNAME	CONTATCT NUMBER	ADDRESS	0
14	CREATE USERNAME	CONTATCT NUMBER	ADDRESS	0
15	CREATE USERNAME	CONTATCT NUMBER	ADDRESS	0
16	CREATE USERNAME	CONTATCT NUMBER	ADDRESS	0

Right Window — QR Code Generator And Scanner

BACK

DELETE QR DETAILS

EDIT QR DETAILS

PRODUCT CODE

NAME OF COMPANY

NAME OF PRODUCT

DATE OF EXPIRY

PRICE

Product Code	Company	Product	Date Of Expiry	Price
1234	Sarthak	Sarthak	23	1222222
1234	Sarthak	Sarthak	20	2147483647
22222	s	s	3	22
1	Great	Awesome	90	90
PRODUCT CODE	NAME OF COMPANY	NAME OF PRODUCT	ENTER DATE	PRICE OF PRODUCT
PRODUCT CODE	Select Company	Select Product	ENTER DATE	PRICE OF PRODUCT
145-Clothing	Atlantic Collection	TShirt	4/28/23	800

QR Code Generator And Scanner

BACK

ADD ADMIN

DELETE ADMIN

ADMIN ID

ADMIN USERNAME

ADMIN PASSWORD

ID	UserName	Password
1	Sarthak	AdminSarthak
3	mansi	mansi

BACK

ADDRESS

7TH FLOOR

KOHINOOR SQUARE,N.C.KELKAR MARG,

SHIVAJI PARK,DADAR WEST,

MUMBAI 400028

SEND A MESSAGE

Name

Email-ID

Message

SEND

BACK

REVIEW YOUR EXPERIENCE BY ANSWERING THE FOLLOWING QUESTIONS

Q)HOW WAS YOUR EXPERIENCE WITH THE SYSTEM?
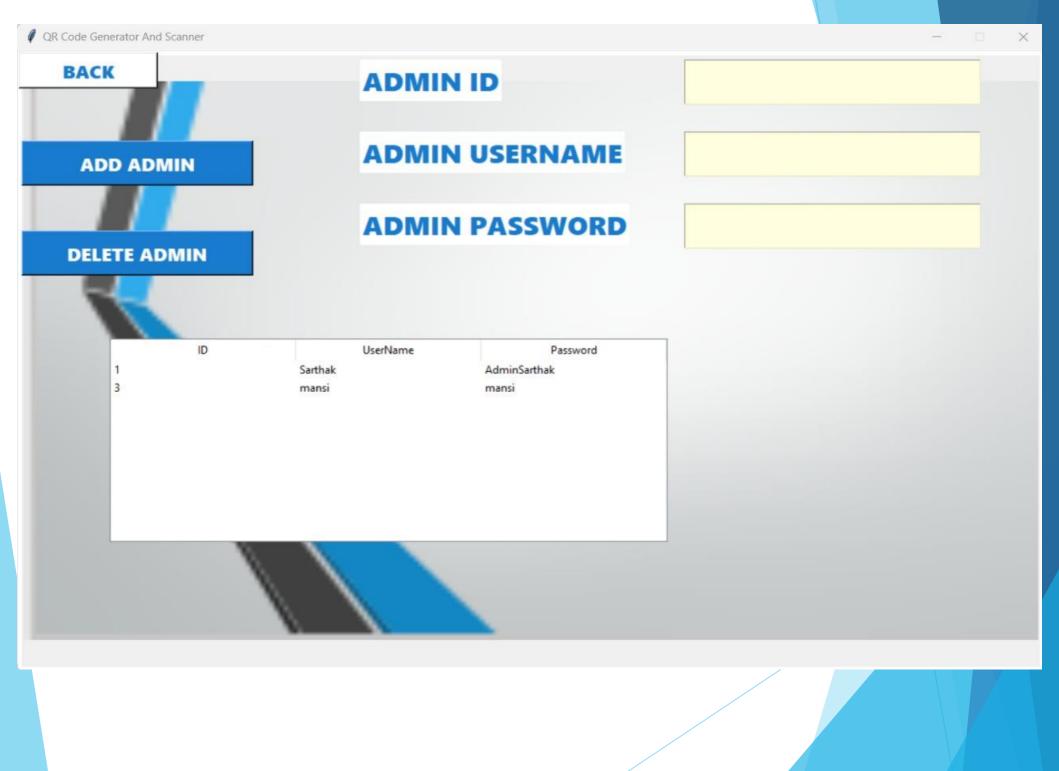
- VERY GOOD
- GOOD
- AVERAGE
- CAN BE BETTER
- WORST

Q)HOW MUCH DID IT HELPED YOU AT SUPERMARKET?

- VERY MUCH
- AVERAGE
- DIDN'T HELPED A LOT

Q)HOW EASY WAS IT FOR THE ADMIN TO CONTROL THE SYSTEM?

- VERY EASY
- EASY
- AVERAGE
- DIFFICULT
- EXTREMELY DIFFICULT

Q)WOULD YOU RECOMMEND IT TO OTHER SUPERMARKETS?

- DEFINITELY
- WOULD THINK
- WOULD NOT RECOMMEND

Q)SUGGEST ANY CHANGES THAT YOU WOULD LIKE TO SEE

SUBMIT

Thank You...!!!