



PROJECT

WEB-BASED RESTAURENT MANAGEMENT SYSTEM



ABSTRACT

In this project, we present a web based restaurant management system to manage the food orders for the given menu and for the given customer using Python and it's DJANGO framework. It also provides home delivery facility.



DATABASE MANAGEMENT SYSTEMS

SHREYANSH DWIVEDI
IWM2016501

SASHANK MISHRA
IIT2016515

PRADEEP GANGWAR
IHM2016501



WEB-BASED RESTAURENT MANAGEMENT SYSTEM

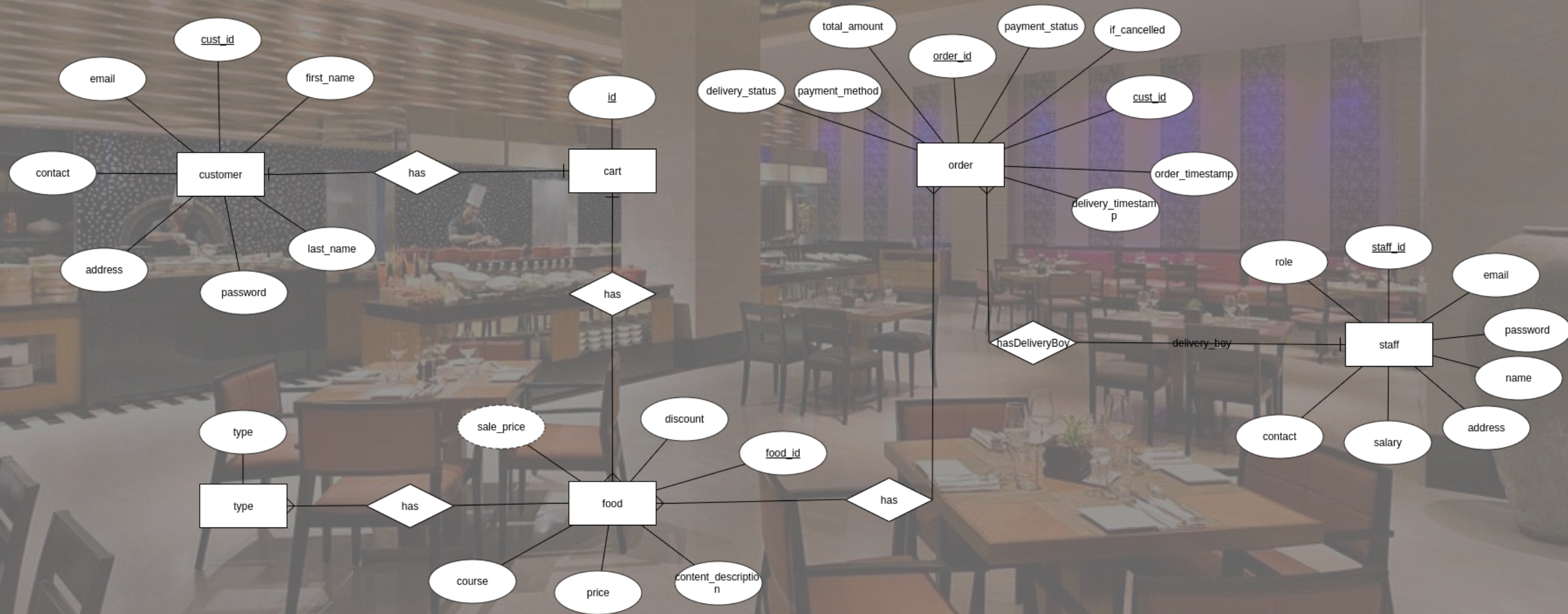


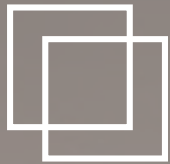
APPROACH

This is web application that delivers an effective solution to make an advanced online food ordering system. The application offers a web based ordering system where users can view the available food choices in the menu and can select it for ordering. The system provides a graphical view of the eatables so it becomes convenient for users to access. Admin panel confirms the availability of the order which is processed further for the delivery. After delivery, it also notifies the user for the same. Admin can also track the daily expenses for the restaurant.



ENTITY RELATIONSHIP DIAGRAM





TECHNOLOGIES USED

DJANGO

Django is a high-level Python web framework that enables rapid deployment of secure and maintainable websites. Django, like the most of the modern web frameworks, supports Model-View-Controller(MVC) architecture. Django supports several major database engines such as MySQL, PostgreSQL, SQLite3, Oracle and MongoDB. Django comes with a lightweight web server for developing and testing applications. This server is pre-configured to work with Django, and more importantly, it restarts whenever we modify the code. However, Django does support Apache and other popular web servers such as Lighttpd.

POSTGRESQL

PostgreSQL is an object-relational database management system (ORDBMS) based on POSTGRES, Version 4.2. PostgreSQL is an open-source descendant of this original Berkeley code. It supports a large part of the SQL standard and offers many modern features, such as :

- *complex queries*
- *foreign keys*
- *Triggers*
- *updatable views*
- *transactional integrity*
- *multiversion concurrency control*



DATABASE SCHEMA - I

HOTEL_CART

COLUMN	TYPE
ID	Int primary key
QUANTITY	Int
FOOD_ID	Int foreign key
CUSTOMER_ID	Int foreign key

HOTEL_CUSTOMER

COLUMN	TYPE
CUSTOMER_ID	Int primary key
ADDRESS	Varchar
CONTACT	Varchar
ORDERS	Int
TOTAL_SALE	Int

HOTEL_DATA

COLUMN	TYPE
ID	Int primary key
DATE	Date
SALES	Int
EXPENSES	int



DATABASE SCHEMA - II

HOTEL_FOODS	
COLUMN	TYPE
FOOD_ID	Int primary key
NAME	Varchar
COURSE	Varchar
STATUS	Varchar
CONTENT_DESCRIPTION	Varchar
BASE_PRICE	Float
SALE PRICE	Float
DISCOUNT	Numeric
IMAGE	Varchar

HOTEL_ORDER	
COLUMN	TYPE
ORDER_ID	Int primary key
ORDER_TIMESTAMP	Time
DELIVERY_TIMESTAMP	Time
DELIVERY_STATUS	Varchar
PAYMENT_STATUS	Varchar
IF_CANCELLED	Boolean
TOTAL_AMOUNT	Int
PAYMENT_METHOD	Varchar
LOCATION	Varchar
CUSTOMER_ID	Int foreign key



DATABASE SCHEMA - III

HOTEL_ORDER_CONTENT	
COLUMN	TYPE
ID	Int primary key
FOOD_ID	Int foreign key
ORDER_ID	Int foreign key
QUANTITY	Int

HOTEL_STAFF	
COLUMN	TYPE
STAFF_ID	Int primary key
ADDRESS	Varchar
SALARY	Int
CONTACT	Varchar
ROLE	Varchar



IMPLEMENTATION

Caviar

[Home](#)[Menu](#)[Dashboard](#)[Logout](#)

Tasty food served at your doorstep

Experience the fastest delivery. Order now and get your food at your doorstep in 30 minutes!



South Indian



Gujarati



Fast Food



Punjabi



IMPLEMENTATION

Our Menu



Lilva Kachori



Fafda Jalebi



Muthiya



Gujarati Kadhi



Mohanthal



Undhiyu



Khandvi



Thepla



Rajma



Vada Pav



Chole Bhatoore



Paneer Tikka Masala



IMPLEMENTATION

Today Specials



Lilva Ka...

Lilva Ka...

A great winter and monsoon tea-time snack, kachoris are balls made of flour and stuffed...



Gujarati...

Gujarati...

No Gujarati thali meal is ever complete without the kadhi. Distinctively recognized bec...



Khandvi

Khandvi

Thin layers of gram flour cooked with buttermilk and rolled up in mushy goodness, seaso...



Fafda Ja...

Fafda Ja...

Made hugely popular by the daily soap 'Taarak Mehta ka Ulta Chashma', this is (almost)...



Mohanthal

Mohanthal

A signature dish of many Gujarati households with each housewife adding her own special...



Thepla

Thepla

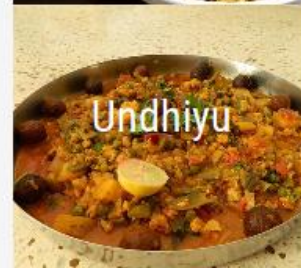
No Gujarati journeys, picnics, foreign trips or even business trips are complete withou...



Muthiya

Muthiya

Named after the action that is used to shape the dough, these fist-cakes make for a gre...



Undhiyu

Undhiyu

The king of Gujarati dishes Undhiyu (and of course Uttarayan) is the reason why a Gujar...



Rajma

Rajma

Rājma[1] (Punjabi: ਰਾਜਮਾ), (Hindi: राजमा) or Rāzmā is a popular South Asian vegetarian ...



IMPLEMENTATION

Caviar

Dashboard

Users

Orders

Foods

Sales

Dashboard

0

Total Comments!

View Details

3

Total Customers!

View Details

4

Total Orders!

View Details

142

Total Sales!

View Details

Top Customers

Customer Name	#Orders	Total Sale
Sashank Mishra	3	426
Suraj Dubey	0	0
Shreyansh Dwivedi	0	0

Latest Orders

ID	Location	Customer Name	Type	Order Timestamp	Total Amount	Satus
8	BH3	Sashank Mishra	Delivery	2018-04-21 16:27:29	142	Delivered
7	BH3	Sashank Mishra	Delivery	2018-04-21 10:42:17.998648+00:00	474	Pending
6	BH3	Sashank Mishra	Delivery	2018-04-21 10:41:40.762549+00:00	224	Pending
5	BH3	Shreyansh Dwivedi	Delivery	2018-04-21 09:54:40.149034+00:00	57	Pending



IMPLEMENTATION

Foods Information

Add Food

List of all Dishes of the Restaurant

Show 10 entries

Search:

ID	Name	Course	Description	Base Price	Discount(%)	Sale Price	Status	Expense/Sales
	Lilva Kachori	Gujarati	A great winter and monsoon tea-time snack, kachoris are balls made of flour and stuffed with any filling of your choice. They are a popular delicac...	249.0	10.00 %	224.1	Enabled	
	Fafda Jalebi	Gujarati	Made hugely popular by the daily soap 'Taarak Mehta ka Ulta Chashma'?, this is (almost) every Gujarati's dream cheat-day breakfast. Fafda is a crun...	99.0	10.00 %	89.1	Enabled	
	Muthiya	Gujarati	Named after the action that is used to shape the dough, these fist-cakes make for a great breakfast or evening snack. To prepare these, a mixture o...	399.0	15.00 %	339.15	Enabled	
	Gujarati Kadhi	Gujarati	No Gujarati thali meal is ever complete without the kadhi. Distinctively recognized because of its white color, this is a traditional dish made of ...	199.0	10.00 %	179.1	Enabled	
	Mohanthal	Gujarati	A signature dish of many Gujarati households with each housewife adding her own special touch to this traditional recipe, Mohanthal is a soft fudge...	299.0	10.00 %	269.1	Enabled	



IMPLEMENTATION

Orders Information

List of all Orders

Show entries

Search:

ID ▲	Customer's Name ▼	Order Status ▼	Order Time ▼	Amount ▼	Payment Method ▼	Payment Status ▼	Delivery Status ▼	Delivery Boy ▼	Confirm Payment ▼	Confirm Delivery ▼
5	Shreyansh Dwivedi	✓	2018-04-21 09:54:40.149034+00:00	57	Cash On Delivery	Pending	Pending	Pradeep Gangwar	Paid	Delivered
6	Sashank Mishra	✓	2018-04-21 10:41:40.762549+00:00	224	Cash On Delivery	Pending	Pending	Pradeep Gangwar	Paid	Delivered
7	Sashank Mishra	✓	2018-04-21 10:42:17.998648+00:00	474	Cash On Delivery	Pending	Pending	Pradeep Gangwar	Paid	Delivered
8	Sashank Mishra	✓	2018-04-21 16:27:29	142	Cash On Delivery	Paid	Delivered	Pradeep Gangwar	Paid	Delivered

Showing 1 to 4 of 4 entries

Previous Next





IMPLEMENTATION

Hotel Sales Information

Add Sales Data

List of all the Sales of the Restaurant

ID	Date	Sales	Expenses	
1	April 4, 2018	500	700	
2	April 13, 2018	400	500	
3	April 12, 2018	500	279	
4	April 8, 2018	582	123	



IMPLEMENTATION

Users Information

Add User

List of all Users Signed In

Show 10 entries

Search:

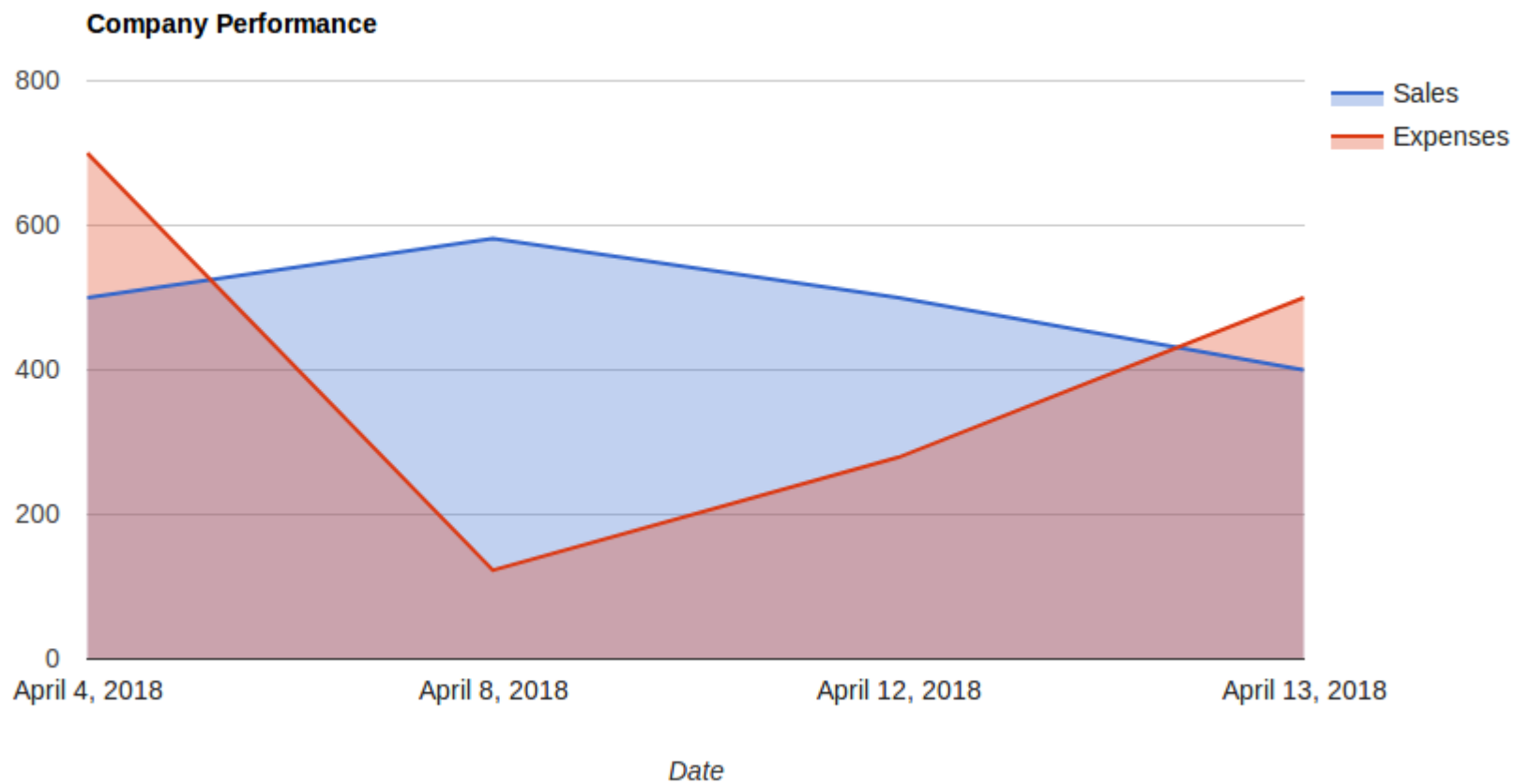
ID▲	First Name ◆	Last Name ◆	Email ◆	Contact ◆	Address ◆	Status ◆
1	Suraj	Dubey	shreyanshdwivedi@gmail.com	7080397532	Varanasi	Pending
5	Shreyansh	Dwivedi	shreyanshdwivedi1997@gmail.com	7080397532	BH3	Pending
6	Sashank	Mishra	sashankmishra27@gmail.com	8888888888	BH3	Pending

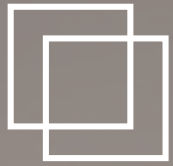
Showing 1 to 3 of 3 entries

Previous 1 Next



IMPLEMENTATION





A FINAL WORD...

Through this project, we were able to explore the application of database management approach in real life applications and also explored the latest web technologies and then integration with the database engines.

The future scope of the project includes the live **tracking of the delivery by customer, payment portal integration and extension of the project to mobile devices.**

SOURCE CODE AVAILABLE AT

.....
<https://github.com/sashank27/Caviar>