



Dhirubhai Ambani
Institute of Information and Communication Technology

DBMS - IT 214

Team No. : 3.10

District Management System

Nisarg Jadav (202001010)

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Section 1: Final version of SRS

1. INTRODUCTION

1.1 PURPOSE

The purpose of this document is to build a District Management System that aims to keep track of user complaints for different districts and update the department about the complaints efficiently. It ensures the administration has comprehensive control over how customer complaints are collected, tracked and addressed in compliance with industry guidelines and regulations. In the existing system the people must go to the office or offline for any kind of help. The users can post their problems but cannot get the details of the problems and some other services. This system doesn't have much popularity and is not user friendly

1.2 INTENDED AUDIENCE AND READING SUGGESTIONS

This project is a prototype for the District Management System and it is useful for the district management team administrative dept, tehsils under a district , law enforcement agencies as well as the users/citizens. This has been implemented under the guidance of college professors/TA's.

For this document you should have prior knowledge of your complaint flow of your tehsil and the administration system and some basic information about how surveys are performed.

1.3 PRODUCT SCOPE

The purpose of the District Management System is to provide a way of solving the problems faced by the public by saving time and eradicating corruption. The objective of the complaints management system is to make complaints easier to coordinate, monitor, track and resolve, and to provide the administration with an effective tool to identify and target problem areas, monitor complaints handling performance and make improvements. District Management System is a management technique for assessing, analyzing and responding to customer complaints.

Complaints management software is used to record resolve and respond to customer complaints, requests as well as facilitate any other feedback. It should be able to ease user complaint tracking and to create a convenient and easy-to-use application for citizens trying to register a complaint, for tehsils to track the citizens data and look through information and assign law enforcement to resolve the complaints as compared to the previous management system which was not so efficient and lacked proficiency. The citizen can register a complaint in their tehsil's administrative department and should be able to track the status of their complaint. We will have a database server supporting a number of tehsils under a district as well as data of every citizen of a tehsil.

2. DESCRIPTION

A District Management System provides:

- **Track of user complaints**

The District Management System keeps track of user complaints for different districts.

The administrative department shows the employees who anticipate the various tehsils that come under the district.

- **Citizens Data**

There are several tehsils within a district and each tehsil has data of its citizens. It Stores data of citizens (name, age, aadhar ID, phone no., email, district name, tehsil name) living in tehsil (tehsil name, tehsil code, tehsil head) that comes under a district(district head, district name, contact information, district code) , stores customer's complaints in their tehsil's administrative department.

- **Complaint details**

It allows a citizen to lodge a complaint at the administrative department of his tehsil along with track of the status of their complaints (date of complaint, complaint ID, complaint status, citizen's data, concerned department name)

- **Taking Action**

The tehsil will inform the designated department (department name, department head, department ID, complaint pending) about the problem and If it requires, the tehsil may use law enforcement agencies(station name, department name , complaint ID) available in their jurisdiction to resolve the situation. To make improvements.

- **Specific Retrieval Of Data.**

To provide administration with an effective tool to identify and target problem areas, monitor complaints handling and make complaints easier to coordinate, monitor, track and resolve

- **Feedback System**

The citizens give feedback regarding their complaint like how it was handled and which areas to improve while dealing with the issues and they would rate the efficiency of the system.

FACT FINDING PHASE:

1. BACKGROUND READINGS

EXISTING SYSTEM:

Some of the existing complaint management systems are CPGRAMS, CONSUMER APP, INGRAM, NATIONAL COMMISSION FOR WOMEN and many more.

District as a basic unit of field administration has been in existence through the ages. The overall administrative structure presently prevailing at the district and sub-district levels in the country consists of the following three components-

a) Administration of regulatory functions under the leadership of the Collector and District Magistrate, such as law and order, land revenue / reforms, excise, registration, treasury, civil supplies and social welfare.

b) District / Sub-district level offices of the line departments of the State Government and their agencies, such as PWD, irrigation, health, industries etc.

c) Local bodies (Panchayati Raj Institutions and Municipal bodies) which, after the 73rd and 74th amendment of the Constitution, have become the third tier of government.

WORKING

Government has several websites and apps that are available to the citizens 24x7 to lodge their grievances to the public authorities on any issue. They provide a single portal connected to all the Ministries/Departments of Government of India and States so that any user from any state/district/city can register their complaints. These complaints are accessible directly by every Central Ministry / Department that has designated a Joint Secretary or a Director / Deputy Secretary, as its 'Director of Grievances'. He / She is the nodal officer for redress of grievances on work areas allocated to that particular Ministry / Department. It is accessible through mobile or desktops. They also provide the users to track their complaints as well as they can appeal if not satisfied with the resolution. They also provide facility to contact the officials as well as the developers. Department has established Feedback call centers to get the feedback from the citizen on disposed grievance in case the feedback is not received through the portal. The call center also assists in filing the appeal.

FEATURES OF EXISTING DISTRICT MANAGEMENT SYSTEM

- In the Consumer App, users can give their suggestions and also lodge complaints pertaining to consumer issues.
- Allows tracking of the status of grievance through the App
- Documents can be uploaded pertaining to grievances already lodged.
- Stores complete, accurate and standard information.

- Offers users a way to report issues without fear.
- Secure method of communication between the administration and the user.
- Contact Details of officers available.
- Provides profile updation

CHALLENGES FACED BY EXISTING DISTRICT MANAGEMENT SYSTEMS

- **Insufficient information**

Recording not sufficient information or leaving out relevant details hampers effective complaint resolution. It also leads to dissatisfied users, who may be called on to provide the same information multiple times.

- **Late resolution**

A complaint that is resolved weeks or even months after receipt leads to customer dissatisfaction and new complaints about how long it takes your administration to resolve issues.

- **Outdated systems**

An outdated or inefficient complaint management system can lead to problems such as poor communication, data loss, or inappropriate recording of information and failure to track complaints

FLAWS:

Law and order administration

It is imperative that law and order is given adequate attention and it is built up both on the infrastructural as well as intelligence and implementation level and its grievances and issues sorted out if we want a sound welfare state where development and law and order go hand in hand otherwise development will be stalled.

There should be a lot more emphasis on re-training of administrators in service to develop these management skills and become more efficient to achieve these goals and objectives.

Input required are office clerks(reading journals and newspapers) and IT department(searching through the internet about the specific problems and reading reviews if present and inform where a gap in the body of knowledge lies). Thorough description of the facts and output would be taken through google form,feedback form.

2. INTERVIEWS:

District Management System : Interview Plan

Project Reference : SF/SJ/2003/12

Participants: Raghav (District Administration)

Kishan (District Administration)

Cyrus (Developer)

Date: 1/10/2022 **Time :** 14:30

Duration : 5 minutes **Place:** Anant's Office

Purpose of Interview :

Preliminary meeting to identify problems and increase efficiency regarding complaint processing and response

Agenda :

Problem with current app

Delayed status update

Quickly assigning authorities to take action

Follow-up actions

Documents to be brought to the interview :

Prototype of complaint management system

response messages

Interview Summary:

System : District Management

Project Reference : SF/SJ/2003/12

Participants: Raghav (District Administration)

Kishan (District Administration)

Cyrus (Developer)

Date: 3/10/2003 **Time :** 14:30

Duration : 45 minutes **Place:** Anant's Office

Purpose of Interview :

Preliminary meeting to identify problems and increase efficiency regarding complaint processing and response

1. Very little privacy on the app/site (upgrading firewall resources)
2. Lack of input from citizens.(Make the site or app more attractive, introducing some new features)

3. The process is very time consuming(make it more efficient and to the point)

4. (action: interview some staff members)

5.Delay in status update (

Check with the IT department)

6. Complaint often get transferred to the wrong department

7.Delay in deploying law enforcement for immediate problems.

8.Further discussions needed when more information is available. (

arrange follow-up meeting with Raghav and Kishan (in about a

week's time)

3.Questionnaire:



District Management System

We would love to hear your response on

District Management System

[Sign in to Google](#) to save your progress. [Learn more](#)

* Required

Name *

Your answer

Phone Number *

Your answer

Email ID

Your answer

How Do You Prefer Registering Your Complaints *

☐ Online Mode

☐ Offline Mode

How Many Members Are There In Your Family *

Your answer

Enter Your District *

Your answer

Enter Your Tehsil *

Your answer

Have You Registered Any Complaints Before? If Yes, Has It Been Resolved Yet? *

- ☐ Yes | Resolved
- ☐ Yes | Not Resolved
- ☐ No

Did It Require Law Enforcement *

- ☐ Yes
- ☐ No

In Which Department Have You Registered A Complaint *

- ☐ Transport
- ☐ Property Issues
- ☐ Sewage
- ☐ Water
- ☐ Electricity
- ☐ Government Document issue
- ☐ None
- ☐ Other: _____

(Answer Only If Registered Complaint Before) *

How Was Your Experience [Rate 1-5]

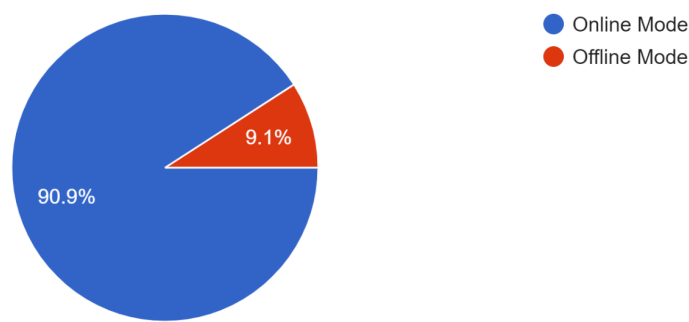
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Submit

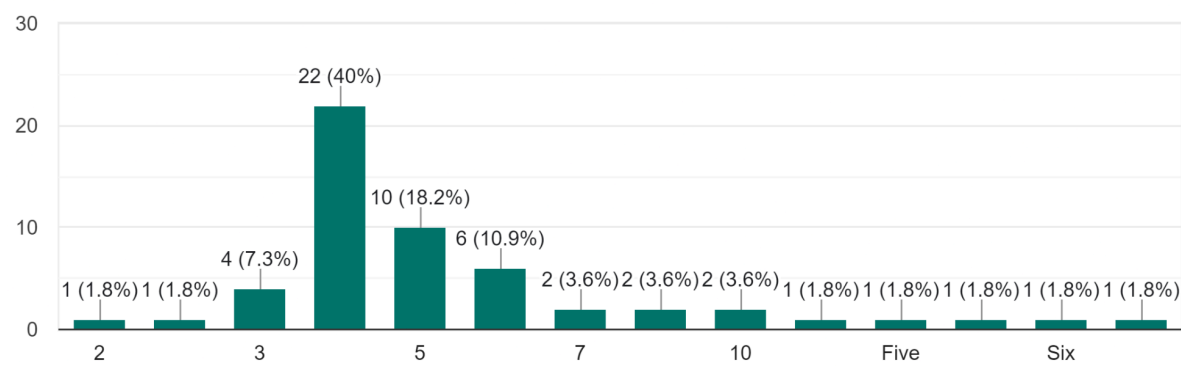
[Clear form](#)

SUMMARY:

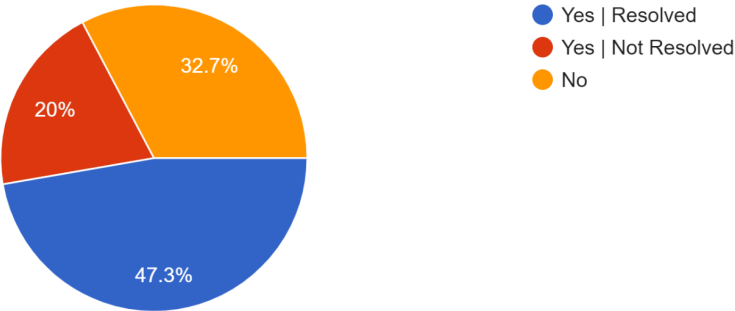
How Do You Prefer Registering Your Complaints
55 responses



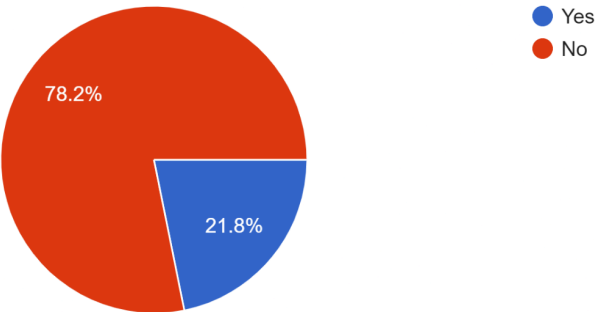
How Many Members Are There In Your Family
55 responses



Have You Registered Any Complaints Before? If Yes, Has It Been Resolved Yet?
55 responses

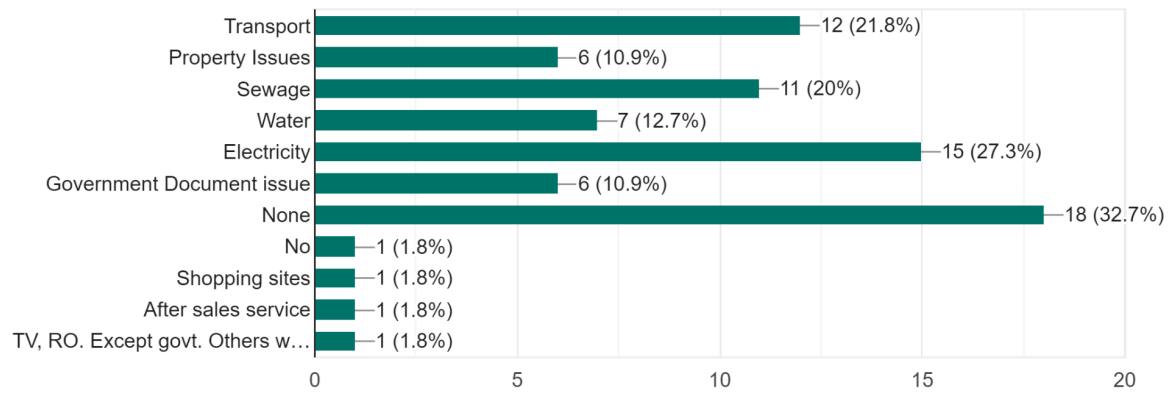


Did It Require Law Enforcement
55 responses



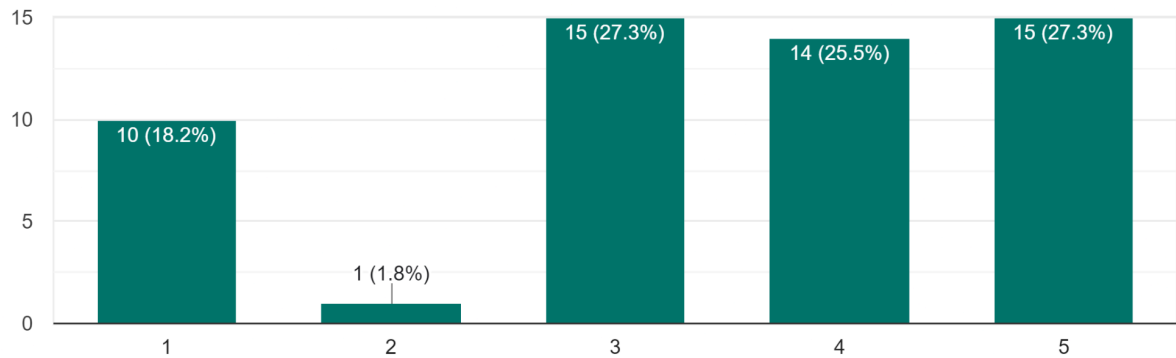
In Which Department Have You Registered A Complaint

55 responses



(Answer Only If Registered Complaint Before) How Was Your Experience [Rate 1-5]

55 responses



FACT FINDING:

Objective	Technique	Subject	Time Commitment
To get background on the problem reported	Survey, Reading about previous issues	Journals, district survey, interview	1 day
To get severity of the problem	How many people it affects	Family size facing this issue	15 min
To gain understanding of role of each department in resolving the problem	interview	Department head	Depends on no. of department it concerns(15 min per department)
To improve the efficiency in chain of commands	interview	Department Head	15 mins
To ensure that the website is working properly and updates regarding previous issues has been resolved	interview	IT head	15 mins
Why are people not happy about how their issue was handled(poor feedback)	sampling	District survey	1 day
Why has the law enforcement been delaying issues of top priority	Interview	Local Police Head	1 hour

Requirements:

Software Requirement:

Database collection system(pgAdmin)

Efficient servers.(No overcrowding)

General Requirements:

It includes the department officials with whom the complaint would be registered, the people working under them. This also includes the journals and collection of previous complaints registered with the district.

User Categories and Privileges:

Our user class is of people (classified according to gender, age) living in a certain district.

User has the privilege to view the status of his complaint and if anyone else had raised the same complaint(then the count of people who agree with his complaint).

Assumptions:

Our project is based on the database provided by the people in our working environment(DAIICT) and not the whole District. We have also assumed that people are ideal and are not filling irrelevant information.

Business Constraints:

We have only covered certain areas in the department(Transport, Property issue, sewage, water, electricity, government document issue). The problem is not always resolved. Therefore, it cannot be perfect.

REFERENCES

<https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-data-base>

<https://www.perforce.com/blog/alm/how-write-software-requirements-specification-srs-document>

https://www.researchgate.net/publication/336716292_Online_Complaint_Management_Systems

<https://iasscore.in/topical-analysis/district-administration-evolution-and-role>

<https://consumerhelpline.gov.in/apps/consumerapp/>

Section 2: Noun Analysis

NOUN ANALYSIS:

TABLE 1:

Noun	Verb
District	provides
Management	keeps
System	shows
Track	anticipate
user	come
complaints	are
District	has
Management	email
System	Comes under
track	allows
user	lodge
complaints	Taking (action),
districts	will
department	inform
employees	designated
district	required
Data	may

district	resolve
data	make
citizens	provide
data	identify
citizens	monitor
name	handling
age	make
ID	coordinate
Phone no.	monitor
district	resolve
name	give
name	regarding
name	improve
ID	dealing
head	would
district	Living in
district	concern
head	
district	
name	
contact	
information	
stores	

complaints	
department	
Complaint	
details	
citizen	
complaint	
department	
track	
status	
complaints	
date	
complaint	
complaint	
ID	
complaint	
status	
data	
department	
name	
Action	
department	
department	
name	

department	
head	
department	
ID	
complaint	
ID	
problem	
use	
law	
enforcement	
agencies	
station	
name	
department	
name	
complaint	
ID	
jurisdiction	
situation	
improvements	
Retrieval	
Data	
administration	

tool	
target	
problem	
areas	
complaints	
complaints	
track	
Feedback	
System	
citizens	
feedback	
complaint	
areas	
issues	
rate	
efficiency	
system	

TABLE 2:(filtered)

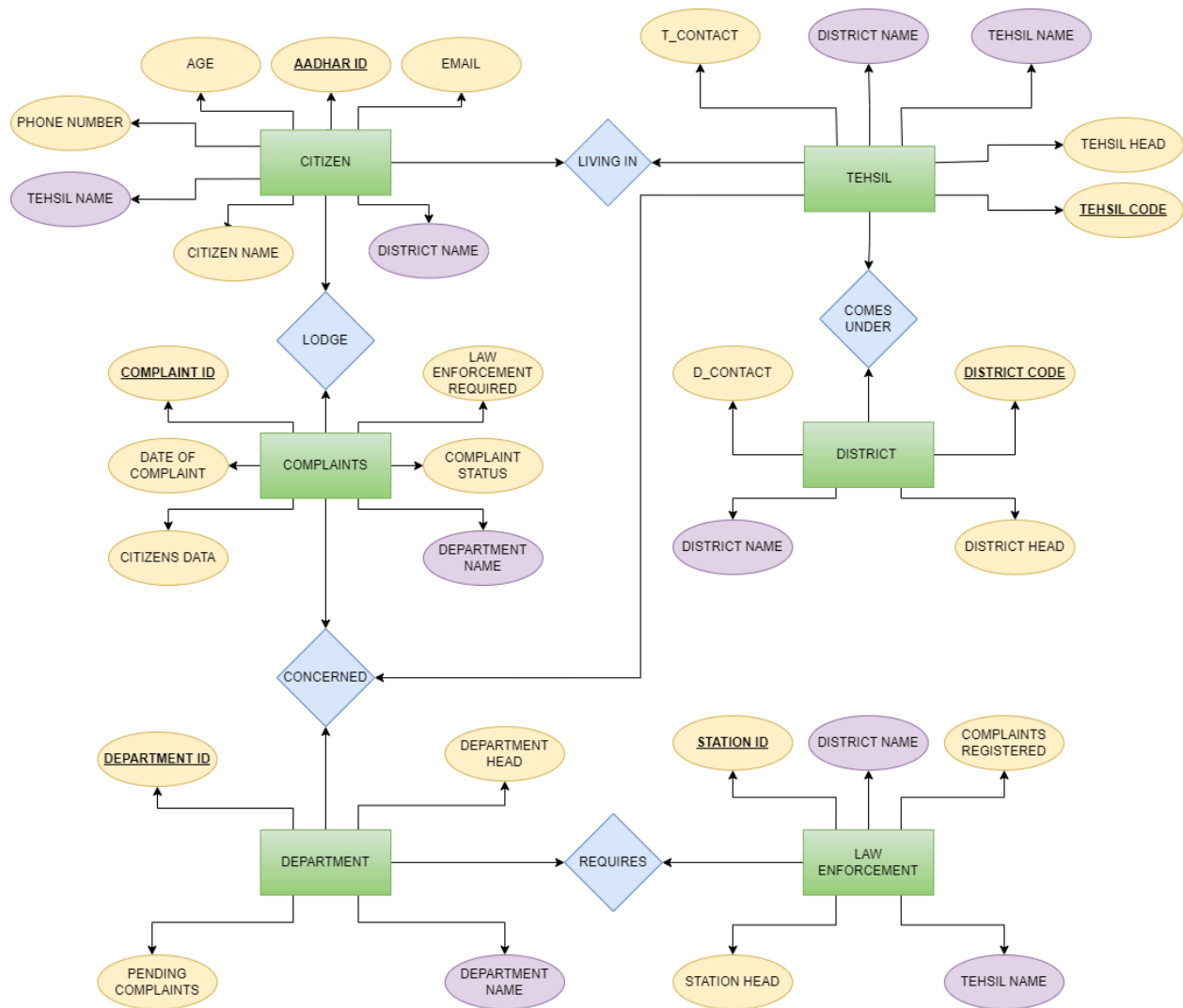
Candidate entity set	Candidate attribute set	Candidate relationship set
COMPLAINTS	AGE	LODGE
DISTRICT	AADHAR ID	COMES UNDER
LAW ENFORCEMENT	EMAIL	LIVING IN
TEHSIL	PHONE NUMBER	REQUIRES
CITIZEN	TEHSIL NAME	CONCERNED
DEPARTMENT	CITIZEN NAME	
	DEPARTMENT NAME	
	PENDING COMPLAINTS	
	DEPARTMENT ID	
	DEPARTMENT HEAD	
	DISTRICT NAME	
	STATION ID	
	COMPLAINTS REGISTERED	
	STATION HEAD	
	CONTACT INFORMATION	
	TEHSIL HEAD	
	TEHSIL CODE	
	DISTRICT CODE	
	DISTRICT HEAD	
	CITIZENS DATA	
	DATE OF COMPLAINT	
	COMPLAINT STATUS	
	LAW ENFORCEMENT REQUIRED	
	COMPLAINT ID	

TABLE 3:(not used)

Noun or verb	Reject reason
management	Vague
system	General
data	Vague
employee	General
target	Irrelevant
problem	General
area	Irrelevant
issue	General
rate	Irrelevant
efficiency	Vague
tool	General
district	Duplicates
tehsil	Duplicates
feedback	General
administration	Vague
Provide	General
Keeps	General
shows	General
are	Duplicates
will	General
inform	General
may	General

resolve	General
make	General
provide	Vague
identify	Vague
monitor	Relation
give	Vague
regarding	Relation
dealing	Irrelevant
would	Irrelevant

Section 3: ER-Diagram



1. Identify Entity types

- No weak entity set declared
- Hierarchy : Tehsil And District
Rest are Simple Association Link

2. Identify Relationship types.

- Binary vs. Ternary Relationships
 - We have created a ternary relationship between tehsil,complaints and department(CONCERNED)
- Entity vs. Attribute
 - According to the problem description we have created the 'Law Enforcement' as an entity rather than an attribute

3. Analyze ERD for any other missing information.

- We have highlighted the foreign keys with purple colour and underlined the primary key attribute also highlighting the rest fo the attributes in yellow

4. Section4: Conversion of Final ER-Diagram to Relational Model.

Mapping E-R Model to Relational Model:

1.CITIZENS(AGE, EMAIL, T_ID, DI_ID, CI_NAME, CI_NUMBER, CI_ID)

Foreign key T_CODE references to TEHSILS

And DI_CODE references to DISTRICT

2.TEHSILS (T_NAME, T_HEAD, T_NUMBER, T_ID.)

3.DISTRICTS (DI_NAME, DI_HEAD, DI_NUMBER, T_CODE, DI_ID)

Foreign key T_CODE references TEHSIL

4.COMPLAINTS (CO_ID, DATE, STATUS, DE_ID, CI_ID, LAW_REQ)

Foreign key CI_ID references CITIZENS

DE_ID references DEPARTMENT

5.DEPARTMENT (DE_ID, DE_HEAD, DE_NAME, PENDING_CO, DE_CONTACT)

6.LAW ENFORCEMENT (S_ID, T_ID, S_HEAD, S_NUMBER)

Foreign key T_ID references TEHSIL

Section5: Normalization and Schema Refinement.

Normalization and Schema Refinement

1. **CITIZENS** (AGE, EMAIL, T_ID, DI_ID, CI_NAME, CI_NUMBER, CI_ID) Foreign key

T_ID references to TEHSILS

And DI_ID references to DISTRICT

Primary key CI_ID

2. **TEHSILS** (T_NAME, T_NUMBER, T_ID, DI_ID)

Primary key T_ID

3. **DISTRICTS** (DI_NAME, DI_NUMBER, DI_ID)

Foreign key T_ID references TEHSIL

Primary key DI_ID

4. **COMPLAINTS** (CO_ID, DATE, STATUS, DE_ID, CI_ID, LAW_REQ) Foreign key CI_ID references CITIZENS
DE_ID references DEPARTMENT

Primary key CO_ID

5. **DEPARTMENT** (DE_ID, DE_HEAD, DE_NAME, PENDING_CO, DE_CONTACT) Primary key DE_ID

Anomalies: delete in DE_HEAD

6.**LAW** (S_ID, T_ID, S_NUMBER)

Foreign key T_ID references TEHSIL

Primary key S_ID

7.**REQUIRES** (DE_ID,S_ID)

Foreign key DE_ID references DEPARTMENT

S_ID references LAW

Primary key (DE_ID,S_ID)

8.**COMES UNDER**

9.**LIVING IN**

10.**LODGE**

11.**CONCERNED**

EXISTING REDUNDANCY:

Relations converted to 1NF form:

- We had deletion anomaly in DE_HEAD where if department head was being replaced, the attribute will show NULL which is not good for the table
- Citizen name was a multivalued attribute so we are going to convert it into last and first name.

Relations converted to 2NF form:

- We don't have any functional dependencies in our schema

Relations converted to 3NF/BCNF form:

- Everything is in 3NF form so there is no update required

Section6: SQL: Final DDL Scripts, Insert statements, SQL Queries with Snapshots of output of each query.

FINAL RELATIONS:

1.**CITIZENS** (AGE, EMAIL, T_ID, DI_ID, FIRST_NAME, LAST_NAME, CI_NUMBER,

CI_ID) 2.**TEHSILS** (T_NAME, T_NUMBER, T_ID, DI_ID)

3.**DISTRICTS** (DI_NAME, DI_NUMBER, DI_ID)

4.**COMPLAINTS** (CO_ID, DATE, STATUS, DE_NAME, CI_ID,

LAW_REQ) 5.**DEPARTMENT** (DE_NAME, PENDING_CO)

6.**LAW** (S_ID, T_ID, S_NUMBER)

7.**REQUIRES** (DE_NAME, S_ID)

8.**HEAD**(H_name, H_number, DE_NAME)

DDL SCRIPT:

1.citizen

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management."CITIZEN"
2 (
3     age bigint NOT NULL,
4     email "char",
5     t_id bigint NOT NULL,
6     di_id bigint NOT NULL,
7     ci_id bigint NOT NULL,
8     ci_number bigint NOT NULL,
9     first_name "char" NOT NULL,
10    last_name "char",
11    PRIMARY KEY (ci_id)
12 )
13 WITH (
14     OIDS = FALSE
15 );
16
17 ALTER TABLE IF EXISTS management."CITIZEN"
18     OWNER to postgres;
```

CloseResetSave

QueryQuery History

1 select* from management."citizen"

Data outputMessagesNotifications

	age bigint	email character varying	t_id bigint	di_id bigint	ci_id [PK] bigint	ci_number bigint	first_name character varying	last_name character varying
1	81	omonard0@imgu...	1	1	1	3959371381	Sholem	Monard
2	37	bkenner1@prie...	1	1	2	1014691737	Bunny	Kennion
3	26	roako2@sharea...	4	2	3	5894559588	Rose	Oaks
4	48	lhould3@phbb.c...	4	2	4	2608952704	Langedon	Hould
5	36	gtomans4@blink...	5	3	5	751835841	Glenn	Torrans
6	62	tmcpalke5@noaa...	2	1	6	8782821505	Thom	McPalke
7	33	gwestern6@even...	2	1	7	1052964057	Gai	Western
8	37	rgriifoes7@delic...	9	5	8	531564126	Roderic	Griffoen
9	71	tpamphilon8@jax...	10	6	9	4657474049	Tamara	Pamphilon
10	89	ttussaine9@yale...	9	5	10	225265621	Trumann	Tussaine
11	32	enorewooda@liv...	6	4	11	2957398680	Elleney	Norewood
12	39	dchimentib@pbs...	5	3	12	5047780538	Demetris	Chimenti
13	43	aganeyc@eccow...	4	2	13	9825001585	Alair	Ganey
14	48	jwhittockd@eepe...	5	3	14	5650199981	Justine	Whittock
15	71	mazareth@t.co	7	4	15	3953149687	Rolfe	Nazareth
16	90	hhargrovesf@furl...	5	3	16	8232419695	Hazel	Hargroves
17	70	ssawbridgeg@d...	10	6	17	7063565796	Shepherd	Sawbridge
18	60	dsailh@123-reg...	9	5	18	958699267	Didi	Sail
19	9	mmanuella@tux...	9	1	19	0283710924	Maria	Manuella

2.tehsil

Create - Table 🔍 ✕

General Columns Advanced Constraints Partitions Parameters Security SQL

```
1 CREATE TABLE management.tehsil
2 (
3     t_id bigint NOT NULL,
4     t_name "char" NOT NULL,
5     t_number bigint NOT NULL,
6     di_id bigint NOT NULL,
7     PRIMARY KEY (t_id),
8     FOREIGN KEY (di_id)
9         REFERENCES management."DISTRICT" (d1_id) MATCH SIMPLE
10        ON UPDATE NO ACTION
11        ON DELETE NO ACTION
12        NOT VALID
13 )
14 WITH (
15     OIDS = FALSE
16 );
17
18 ALTER TABLE IF EXISTS management.tehsil
19     OWNER to postgres;
```

❗ ? ✕ Close ↺ Reset 💾 Save

Query Query History

```
1 select* from management."tehsil"
```

Data output Messages Notifications

🔍 📄 ⌵ 📋 🗑️ 🔧 ⬇️ 📶

	t_id [PK] bigint	t_name character varying	t_number bigint	di_id bigint
1	1	Fordem	7567215306	1
2	2	Lindbergh	8526302515	1
3	3	Hintze	4582773362	1
4	4	Ronald Regan	8540167948	2
5	5	7th	4053389585	3
6	6	Buena Vista	3510725700	4
7	7	Chinook	5532554943	4
8	8	Waywood	1555442722	5
9	9	Dapin	2314994582	5
10	10	Kennedy	5919159405	6
11	11	Grover	3524807992	6
12	12	Stone Corner	454141998	6

3.district

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management."DISTRICT"
2 (
3     di_name "char" NOT NULL,
4     di_id bigint NOT NULL,
5     di_number bigint NOT NULL,
6     PRIMARY KEY (di_id)
7 )
8 WITH (
9     OIDS = FALSE
10 );
11
12 ALTER TABLE IF EXISTS management."DISTRICT"
13     OWNER to postgres;
```

CloseResetSave

QueryQuery History

```
1 select* from management."district"
```

Data outputMessagesNotifications

	di_name character varying	di_id [PK] bigint	di_number bigint
1	Washington	1	5457877485
2	Mockingbird	2	947540431
3	Kensington	3	3015712446
4	Independence	4	379435470
5	Ludington	5	5145990650
6	Goodland	6	4520857279

4.department

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management.department
2 (
3     de_name "char" NOT NULL,
4     pending_co bigint NOT NULL,
5     PRIMARY KEY (de_name)
6 )
7 WITH (
8     OIDS = FALSE
9 );
10
11 ALTER TABLE IF EXISTS management.department
12     OWNER to postgres;
```

?

?

Close

Reset

Save

QueryQuery History

1 select* from management."department"

Data outputMessagesNotifications

de_name

[PK] character varying

pending_co

bigint

1	water	4
2	pipeline	3
3	electricity	3
4	road	2
5	crime	4
6	fire	5

5.complaints

Create - Table

General Columns Advanced Constraints Partitions Parameters Security SQL

```
1 CREATE TABLE management.complaint
2 (
3     co_id bigint NOT NULL,
4     date date NOT NULL,
5     status "char" NOT NULL,
6     de_name "char" NOT NULL,
7     ci_id bigint NOT NULL,
8     law_req "char" NOT NULL,
9     PRIMARY KEY (co_id),
10    FOREIGN KEY (ci_id)
11        REFERENCES management."CITIZEN" (ci_id) MATCH SIMPLE
12        ON UPDATE NO ACTION
13        ON DELETE NO ACTION
14        NOT VALID,
15    FOREIGN KEY (de_name)
16        REFERENCES management.department (de_name) MATCH SIMPLE
17        ON UPDATE NO ACTION
18        ON DELETE NO ACTION
19        NOT VALID
20 )
21 WITH (
22     OIDS = FALSE
23 );
24
25 ALTER TABLE IF EXISTS management.complaint
26     OWNER to postgres;
```

?

Close

Reset

Save

Query Query History

1 select* from management."complaint"

Data output Messages Notifications

	co_id [PK] bigint	date date	status character varying	de_name character varying	ci_id bigint	law_req character varying
1	1	2021-12-24	done	water	1	yes
2	2	2022-07-17	pending	fine	1	yes
3	3	2022-09-04	pending	crime	3	yes
4	4	2022-03-31	pending	fine	4	no
5	5	2022-04-27	pending	crime	5	no
6	6	2022-03-23	pending	electricity	6	no
7	7	2022-09-10	pending	water	7	no
8	8	2022-05-21	pending	crime	7	no
9	9	2022-10-28	pending	crime	9	no
10	10	2022-07-17	pending	fine	7	yes
11	11	2022-10-18	pending	electricity	12	yes
12	12	2022-09-10	done	fine	1	yes
13	13	2022-02-26	pending	pipeline	13	no
14	14	2022-08-14	done	fine	18	yes
15	15	2022-06-23	done	pipeline	16	no
16	16	2022-10-23	done	crime	16	yes
17	17	2022-01-10	pending	water	11	no
18	18	2021-12-26	done	crime	19	no
19	19	2022-05-26	done	road	20	yes

✓ Successfull

6.law:

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management.law
2 (
3     s_id bigint NOT NULL,
4     t_id bigint NOT NULL,
5     s_number bigint NOT NULL,
6     PRIMARY KEY (s_id),
7     FOREIGN KEY (t_id)
8         REFERENCES management.tehsil (t_id) MATCH SIMPLE
9         ON UPDATE NO ACTION
10        ON DELETE NO ACTION
11        NOT VALID
12 )
13 WITH (
14     OIDS = FALSE
15 );
16
17 ALTER TABLE IF EXISTS management.law
18     OWNER to postgres;
```

CloseResetSave

QueryQuery History

1 select* from management."law"

Data outputMessagesNotifications

	s_id [PK] bigint	t_id bigint	s_number bigint
1	1	1	1248768798
2	2	1	1675894767
3	3	2	1875674893
4	4	2	1100887675
5	5	3	8789687478
6	6	4	1876590765
7	7	5	1295876905
8	8	6	1768594783
9	9	7	1246573456
10	10	8	1234789567
11	11	9	4756698766
12	12	10	2421858812

7.requires

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management.requires
2 (
3     de_name "char" NOT NULL,
4     s_id bigint NOT NULL,
5     PRIMARY KEY (de_name, s_id),
6     FOREIGN KEY (de_name)
7         REFERENCES management.department (de_name) MATCH SIMPLE
8         ON UPDATE NO ACTION
9         ON DELETE NO ACTION
10        NOT VALID,
11     FOREIGN KEY (s_id)
12         REFERENCES management.law (s_id) MATCH SIMPLE
13         ON UPDATE NO ACTION
14         ON DELETE NO ACTION
15        NOT VALID
16 )
17 WITH (
18     OIDS = FALSE
19 );
20
21 ALTER TABLE IF EXISTS management.requires
22 OWNER TO postgres;
```

CloseResetSave

QueryQuery History

1 select* from management."requires"

Data outputMessagesNotifications

	de_name [PK] character varying	s_id [PK] bigint
1	water	1
2	pipeline	2
3	fire	3
4	crime	4
5	road	5
6	electricity	6

8.head:

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

```
1 CREATE TABLE management.head
2 (
3     h_name "char" NOT NULL,
4     h_number bigint NOT NULL,
5     de_name "char" NOT NULL,
6     PRIMARY KEY (h_number, h_name),
7     FOREIGN KEY (de_name)
8         REFERENCES management.department (de_name) MATCH SIMPLE
9         ON UPDATE NO ACTION
10        ON DELETE NO ACTION
11        NOT VALID
12 )
13 WITH (
14     OIDS = FALSE
15 );
16
17 ALTER TABLE IF EXISTS management.head
18     OWNER to postgres;
```

CloseResetSave

Query Query History

1 select* from management."head"

Data output Messages Notifications



	h_name [PK] character varying	h_number [PK] bigint	de_name character varying
1	Junina	5156370942	fire
2	Livy	9365922666	electricity
3	Ettie	9625551654	crime
4	Jeri	4316262068	road
5	Gannon	1648720293	pipeline
6	Nessi	2472462921	water

QUERIES:

1.List of complaints where departname name is fire

Query

Query History

1

```
select * from management.complaint where de_name='fire'
```

Data output

Messages

Notifications

	co_id [PK] bigint	date date	status character varying	de_name character varying	cl_id bigint	law_req character varying
1	2	2022-07-17	pending	fire	1	yes
2	4	2022-03-31	pending	fire	4	no
3	10	2022-07-17	pending	fire	7	yes
4	12	2022-09-10	done	fire	1	yes
5	14	2022-08-14	done	fire	18	yes

2.List of complaints where law is required

Query

Query History

```
1 select * from management.complaint where law_req='yes'
```

Data output

Messages

Notifications

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	co_id [PK] bigint	date date	status character varying	de_name character varying	cl_id bigint	law_req character varying
1	1	2021-12-24	done	water	1	yes
2	2	2022-07-17	pending	fire	1	yes
3	3	2022-03-04	pending	crime	3	yes
4	10	2022-07-17	pending	fire	7	yes
5	11	2022-10-18	pending	electricity	12	yes
6	12	2022-09-10	done	fire	1	yes
7	14	2022-08-14	done	fire	18	yes
8	16	2022-10-23	done	crime	16	yes
9	19	2022-05-26	done	road	20	yes
10	20	2022-06-30	done	road	5	yes

3.citizens with age above 50

Query

Query History

1

select * from management.citizen where age>50

Data output

Messages

Notifications

	age bigint	email character varying	t_id bigint	di_id bigint	ci_id [PK] bigint	ci_number bigint	first_name character varying	last_name character varying
1	81	smonard0@imgu...	1	1	1	3959371381	Shalom	Monard
2	62	tmcpaike5@noaa...	2	1	6	8782831505	Thorn	McPaike
3	71	tpamphilon8@jav...	10	6	9	4657474049	Tamera	Pamphilon
4	89	ttussaine9@yale....	9	5	10	225265621	Trumann	Tussaine
5	71	rnazarethe@t.co	7	4	15	3953149687	Rolfe	Nazareth
6	90	hhargrovesf@furl...	5	3	16	8232419695	Hazel	Hargroves
7	70	ssawbridgeg@d...	10	6	17	7063565796	Shepherd	Sawbridge
8	60	dsailh@123-reg....	9	5	18	958699267	Didi	Saill
9	67	belingtonj@huffi...	4	2	20	4096974773	Birgitta	Elington

4.Grouping according to district:

Query Query History

```
1 SELECT first_name,di_id FROM management.citizen
2 GROUP BY first_name, di_id order by di_id
```

Data output Messages Notifications



	first_name character varying	di_id bigint
1	Bunny	1
2	Gui	1
3	Myrtie	1
4	Shalom	1
5	Thorn	1
6	Alair	2
7	Birgitta	2
8	Langsdon	2
9	Rose	2

Total rows: 20 of 20

Query complete 00:00:00.047

Ln 1, C

5.sum of all complaints:

1

2 `SELECT SUM(pending_co) FROM management.department`

Data output Messages Notifications




	sum numeric
1	21

6.department with highest complaint


```
1
2 SELECT de_name
3 FROM management.department
4 WHERE pending_co = (SELECT MAX(pending_co) FROM management.department);
```

Data output Messages Notifications



	de_name [PK] character varying 
1	fire


7.Calculating average age of citizens:

Query Query History

```
1  
2 SELECT avg(age)  
3 from management.citizen
```

Data output Messages Notifications



	avg numeric 
1	52.15000000

8.getting details of fire department head

Query

Query History

1

2

3

4

SELECT

h_number, h_name

from management.head

where de_name='fire'

Data output

Messages

Notifications

h_number

[PK] bigint

h_name

[PK] character varying

1

5156370942

Junina

9.No. of stations in each tehsil

Query Query History

```
1 SELECT *
2 FROM management.citizen
3 inner JOIN management.complaint on citizen.ci_id=complaint.ci_id
```

Data output Messages Notifications



	age bigint	email character varying	t_id bigint	di_id bigint	ci_id bigint	ci_number bigint	first_name character varying	last_name character varying	co_id bigint	date date	status character varying
1	81	smonard0@imgu...	1	1	1	3959371381	Shalom	Monard	1	2021-12-24	done
2	81	smonard0@imgu...	1	1	1	3959371381	Shalom	Monard	2	2022-07-17	pending
3	26	roaks2@shareas...	4	2	3	5894559588	Rose	Oaks	3	2022-03-04	pending
4	48	lhould3@phpbb.c...	4	2	4	2608952704	Langsdon	Hould	4	2022-03-31	pending
5	36	gtorrans4@blinkl...	5	3	5	751835641	Glenn	Torrans	5	2022-04-27	pending
6	62	tmcpaike5@noaa...	2	1	6	8782831505	Thorn	McPaik	6	2022-03-23	pending
7	33	gwestern6@even...	2	1	7	1052954057	Gui	Western	7	2022-09-10	pending
8	33	gwestern6@even...	2	1	7	1052954057	Gui	Western	8	2022-05-21	pending
9	71	tpamphilon8@jav...	10	6	9	4657474049	Tamera	Pamphilon	9	2022-10-28	pending

✓ Successfully run. Total query runtime: 118 msec. 12 rows affected.

Section7 : Project output screenshots.

CODE SNIPPETS:

Connects frontend with backend (Using Django):

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'OPTIONS': {
            'options': '-c search_path=management'
        },
        'NAME': 'district_db',
        'USER' : 'postgres',
        'PASSWORD' : 'admin',
        'HOST' : 'localhost',
        'PORT' : '5433',
    }
}
```

Code for setting up the modules used for frontend:

```
from django.db import models

class disModel(models.Model):
    co_id=models.IntegerField(primary_key=True)
    date = models.DateField()
    status=models.CharField(max_length=100)
```

```

de_name=models.CharField(max_length=100)
ci_id=models.IntegerField()
law_req=models.CharField(max_length=100)
wage=models.IntegerField()
class Meta:
    db_table="complaint"

class labModel(models.Model):
    age=models.IntegerField()
    email=models.CharField(max_length=100)
    t_id=models.IntegerField()
    di_id=models.IntegerField()
    ci_id=models.IntegerField(primary_key=True)
    ci_number=models.IntegerField()
    first_name=models.CharField(max_length=100)
    last_name=models.CharField(max_length=100)

    class Meta:
        db_table="citizen"

```

Code for setting up the URL:

```

from django.contrib import admin
from django.urls import path
from . import views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', views.showcitizen, name="showcitizen"),
    path('Insert', views.Insertcitizen, name="Insertcitizen"),
    path('Edit/<int:id>', views.editcitizen, name="editcitizen"),
    path('Update/<int:id>', views.updatecitizen, name="updatecitizen"),
    path('Delete/<int:id>', views.delcitizen, name="delcitizen"),
]

```

Code for fetching, editing, deleting and sorting in the database:

```
from django.shortcuts import render
from districtmanagement.models import disModel, labModel
from django.contrib import messages
from districtmanagement.forms import labforms

def homepage(request):
    return render(request, 'index.html')

def showdis(request):
    showall=disModel.objects.all()
    return render(request, 'index.html', {"data":showall})

def showcitizen(request):
    showall=labModel.objects.all()
    return render(request, 'index.html', {"data":showall})

def Insertcitizen(request):
    if request.method=="POST":
        if request.POST.get('age') and request.POST.get('email') and
request.POST.get('tehsil id') and request.POST.get('district id') and
request.POST.get('citizen id') and request.POST.get('phone number') and
request.POST.get('first name') and request.POST.get('last name'):
            saverecord=labModel()
            saverecord.age=request.POST.get('age')
            saverecord.email=request.POST.get('email')
            saverecord.t_id=request.POST.get('tehsil id')
            saverecord.di_id=request.POST.get('district id')
            saverecord.ci_id=request.POST.get('citizen id')
            saverecord.ci_number=request.POST.get('phone number')
            saverecord.first_name=request.POST.get('first name')
            saverecord.last_name=request.POST.get('last name')

            saverecord.save()
            messages.success(request, 'Citizen ' + saverecord.first_name+
is successfully saved..!')
            return render(request, 'Insert.html')
        else:
            return render(request, 'Insert.html')
```



```
def editcitizen(request,id):
    obj=labModel.objects.get(ci_id=id)
    return render(request, 'edit.html', {"labModel":obj})

def updatecitizen(request,id):
    updatelabour=labModel.objects.get(ci_id=id)
    form=labforms(request.POST,instance=updatelabour)
    if form.is_valid():
        form.save()
        messages.success(request, "record Updated Successfully..!")
        return render(request, 'edit.html', {"labModel":updatelabour})

def delcitizen(request,id):
    obj=labModel.objects.get(ci_id=id)
    obj.delete()
    allobj=labModel.objects.all()
    return render(request, "index.html", {"labModel": allobj})
```

HOME PAGE:

District Management

Django web tutorial

[Add new Citizen](#)

ID	First Name	Last name	number	age	email	tehsil id	district id		
1	Shalom	Monard	3959371381	81	smonard0@imgur.com	1	1	Edit	Delete
2	Bunny	Kennion	1014691737	37	bkennion1@princeton.edu	1	1	Edit	Delete
3	Rose	Oaks	5894559588	26	roaks2@shareasale.com	4	2	Edit	Delete
4	Langsdon	Hould	2608952704	48	lhold3@phpbb.com	4	2	Edit	Delete
5	Glenn	Torrans	751835641	36	gtorrans4@blinklist.com	5	3	Edit	Delete
6	Thorn	McPaike	8782831505	62	tmcpaikes5@noaa.gov	2	1	Edit	Delete
7	Gui	Western	1052954057	33	gwestern6@eventbrite.com	2	1	Edit	Delete
8	Roderic	Griffoen	531564126	37	rgriffoen7@delicious.com	9	5	Edit	Delete
9	Tamera	Pamphilon	4657474049	71	tpamphilon8@java.com	10	6	Edit	Delete
10	Trumann	Tussaine	225265621	89	ttussaine9@yale.edu	9	5	Edit	Delete
11	Ellerey	Norewood	2957398680	32	enorewooda@live.com	6	4	Edit	Delete
12	Demetris	Chimentib	5047780538	39	dchimentib@pbs.org	5	3	Edit	Delete
13	Alair	Garey	9825001585	43	agareyc@accuweather.com	4	2	Edit	Delete
14	Justine	Whitlock	5650199981	48	jwhitlockd@eepurl.com	5	3	Edit	Delete
15	Rolfe	Nazareth	3953149687	71	rmazareth@t.co	7	4	Edit	Delete
16	Hazel	Hargroves	8232419695	90	hhargrovesf@furl.net	5	3	Edit	Delete
17	Shepherd	Sawbridge	7063565796	70	ssawbridgeg@dmoz.org	10	6	Edit	Delete
18	Didi	Saill	958699267	60	dsaillh@123-reg.co.uk	9	5	Edit	Delete
19	Myrtie	Marvelley	9283710924	3	mmarvelleyi@go.com	3	1	Edit	Delete
20	Birgitta	Elington	4096974773	67	belingtonj@huffingtonpost.com	4	2	Edit	Delete

Insert query:

Inserting shyam gopal

Insert citizen

Django web tutorial

citizen id	21
first name	shyam
last name	gopal
phone number	4214123123
age	22
email	tushardhar2000@gmail.com
tehsil	2
District	3
Insert	

[Home Page](#)

District Management

Django web tutorial

[Add new Citizen](#)

ID	First Name	Last name	number	age	email	tehsil id	district id	
1	Shalom	Monard	3959371381	81	smonard0@ingur.com	1	1	Edit Delete
2	Bunny	Kennion	1014691737	37	bkennion1@princeton.edu	1	1	Edit Delete
3	Rose	Oaks	5894559588	26	roaks2@shareasale.com	4	2	Edit Delete
4	Langsdon	Hould	2608952704	48	lhould3@phpbb.com	4	2	Edit Delete
5	Glenn	Torrans	751835641	36	gtorrans4@blinklist.com	5	3	Edit Delete
6	Thorn	McPaike	8782831505	62	tmcpaike5@noaa.gov	2	1	Edit Delete
7	Gui	Western	1052954057	33	gwestern6@eventbrite.com	2	1	Edit Delete
8	Roderic	Griffioen	531564126	37	rgriffioen7@delicious.com	9	5	Edit Delete
9	Tamera	Pamphilon	4657474049	71	tpamphilon8@java.com	10	6	Edit Delete
10	Trumann	Tussaine	225265621	89	ttussaine9@yale.edu	9	5	Edit Delete
11	Ellerey	Norewood	2957398680	32	enorewooda@live.com	6	4	Edit Delete
12	Demetris	Chimenti	5047780538	39	dchimentib@pbs.org	5	3	Edit Delete
13	Alair	Garey	9825001585	43	agareyc@accuweather.com	4	2	Edit Delete
14	Justine	Whitcock	5650199981	48	jwhitcockd@eepurl.com	5	3	Edit Delete
15	Rolfe	Nazareth	3953149687	71	rmazareth@t.co	7	4	Edit Delete
16	Hazel	Hargroves	8232419695	90	hhargrovesf@furl.net	5	3	Edit Delete
17	Shepherd	Sawbridge	7063565796	70	ssawbridgeg@dmaz.org	10	6	Edit Delete
18	Didi	Saill	958699267	60	dsaillh@123-reg.co.uk	9	5	Edit Delete
19	Myrtie	Marvelley	9283710924	3	mmarvelleyi@go.com	3	1	Edit Delete
20	Birgitta	Elington	4096974773	67	belingtonj@huffingtonpost.com	4	2	Edit Delete
21	shyam	gopal	4214123123	22	tushardhar2000@gmail.com	2	3	Edit Delete

District Management

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[Add new Citizen](#)

ID	First Name	Last name	number	age	email	tehsil id	district id	
1	Shalom	Monard	3959371381	81	smonard0@imgur.com	1	1	Edit Delete
2	Bunny	Kennion	1014691737	37	bkennion1@princeton.edu	1	1	Edit Delete
3	Rose	Oaks	5894559588	26	roaks2@sharesale.com	4	2	Edit Delete
4	Langsdon	Hould	2608952704	48	lhold3@phpbb.com	4	2	Edit Delete
5	Glenn	Torrans	751835641	36	gtorrans4@blinklist.com	5	3	Edit Delete
6	Thorn	McPaike	8782831505	62	tmcpaike5@noaa.gov	2	1	Edit Delete
7	Gui	Western	1052954057	33	gwestern6@eventbrite.com	2	1	Edit Delete
8	Roderic	Griffoen	531564126	37	rgriffoen7@delicious.com	9	5	Edit Delete
9	Tamera	Pamphilon	4657474049	71	tpamphilon8@java.com	10	6	Edit Delete
10	Trumann	Tussaine	225265621	89	ttussaine9@yale.edu	9	5	Edit Delete
11	Ellerey	Norewood	2957398680	32	enorewooda@live.com	6	4	Edit Delete
12	Demetris	Chimenti	5047780538	39	dchimentib@pbs.org	5	3	Edit Delete
13	Alair	Garey	9825001585	43	agareyc@accuweather.com	4	2	Edit Delete
14	Justine	Whittock	5650199981	48	jwhittockd@eepurl.com	5	3	Edit Delete
15	Rolfe	Nazareth	3953149687	71	rnazareth@t.co	7	4	Edit Delete
16	Hazel	Hargroves	8232419695	90	hhargrovesf@furl.net	5	3	Edit Delete
17	Shepherd	Sawbridge	7063565796	70	ssawbridgeg@dmoz.org	10	6	Edit Delete
18	Didi	Saill	958699267	60	dsaillh@123-reg.co.uk	9	5	Edit Delete
19	Myrtie	Marvelley	9283710924	3	mmarvelleyi@go.com	3	1	Edit Delete
20	Birgitta	Elington	4096974773	67	belingtonj@huffingtonpost.com	4	2	Edit Delete

Delete query:

Removing shyam gopal

District Management

Django web tutorial

[Add new Citizen](#)

ID	First Name	Last name	number	age	email	tehsil id	district id	
1	Shalom	Monard	3959371381	81	smonard0@imgur.com	1	1	Edit Delete
2	Bunny	Kennion	1014691737	37	bkennion1@princeton.edu	1	1	Edit Delete
3	Rose	Oaks	5894559588	26	roaks2@sharesale.com	4	2	Edit Delete
4	Langsdon	Hould	2608952704	48	lhold3@phpbb.com	4	2	Edit Delete
5	Glenn	Torrans	751835641	36	gtorrans4@blinklist.com	5	3	Edit Delete
6	Thorn	McPaike	8782831505	62	tmcpaike5@noaa.gov	2	1	Edit Delete
7	Gui	Western	1052954057	33	gwestern6@eventbrite.com	2	1	Edit Delete
8	Roderic	Griffoen	531564126	37	rgriffoen7@delicious.com	9	5	Edit Delete
9	Tamera	Pamphilon	4657474049	71	tpamphilon8@java.com	10	6	Edit Delete
10	Trumann	Tussaine	225265621	89	ttussaine9@yale.edu	9	5	Edit Delete
11	Ellerey	Norewood	2957398680	32	enorewooda@live.com	6	4	Edit Delete
12	Demetris	Chimenti	5047780538	39	dchimentib@pbs.org	5	3	Edit Delete
13	Alair	Garey	9825001585	43	agareyc@accuweather.com	4	2	Edit Delete
14	Justine	Whittock	5650199981	48	jwhittockd@eepurl.com	5	3	Edit Delete
15	Rolfe	Nazareth	3953149687	71	rnazareth@t.co	7	4	Edit Delete
16	Hazel	Hargroves	8232419695	90	hhargrovesf@furl.net	5	3	Edit Delete
17	Shepherd	Sawbridge	7063565796	70	ssawbridgeg@dmoz.org	10	6	Edit Delete
18	Didi	Saill	958699267	60	dsaillh@123-reg.co.uk	9	5	Edit Delete
19	Myrtie	Marvelley	9283710924	3	mmarvelleyi@go.com	3	1	Edit Delete
20	Birgitta	Elington	4096974773	67	belingtonj@huffingtonpost.com	4	2	Edit Delete

Update query:

Shalom age is now 50

District Management

Django web tutorial

[Add new Citizen](#)

ID	First Name	Last name	number	age	email	tehsil id	district id		
2	Bunny	Kennion	1014691737	37	bkennion1@princeton.edu	1	1	Edit	Delete
3	Rose	Oaks	5894559588	26	roaks2@shareasale.com	4	2	Edit	Delete
4	Langsdon	Hould	2608952704	48	lhould3@phpbb.com	4	2	Edit	Delete
5	Glenn	Torrans	751835641	36	gtorrans4@blinklist.com	5	3	Edit	Delete
6	Thorn	McPaike	8782831505	62	tmcpaike5@noaa.gov	2	1	Edit	Delete
7	Gui	Western	1052954057	33	gwestern6@eventbrite.com	2	1	Edit	Delete
8	Roderic	Griffoen	531564126	37	rgriffoen7@delicious.com	9	5	Edit	Delete
9	Tamera	Pamphilon	4657474049	71	tpamphilon8@java.com	10	6	Edit	Delete
10	Trumann	Tussaine	225265621	89	ttussaine9@yale.edu	9	5	Edit	Delete
11	Ellerey	Norewood	2957398680	32	enorewooda@live.com	6	4	Edit	Delete
12	Demetris	Chimenti	5047780538	39	dchimentib@pbs.org	5	3	Edit	Delete
13	Alair	Garey	9825001585	43	agareyc@accuweather.com	4	2	Edit	Delete
14	Justine	Whittock	5650199981	48	jwhittockd@eepurl.com	5	3	Edit	Delete
15	Rolfe	Nazareth	3953149687	71	rnazareth@t.co	7	4	Edit	Delete
16	Hazel	Hargroves	8232419695	90	hhargrovesf@furl.net	5	3	Edit	Delete
17	Shepherd	Sawbridge	7063565796	70	ssawbridgeg@dmoz.org	10	6	Edit	Delete
18	Didi	Saill	958699267	60	dsaillh@123-reg.co.uk	9	5	Edit	Delete
19	Myrtie	Marvelley	9283710924	3	mmarvelleyi@go.com	3	1	Edit	Delete
20	Birgitta	Elington	4096974773	67	belingtonj@huffingtonpost.com	4	2	Edit	Delete
21	shyam	gopal	4214123123	22	tushardhar2000@gmail.com	2	3	Edit	Delete
1	Shalom	Monard	3959371381	50	smonard0@imgur.com	1	1	Edit	Delete