



Under Supervision  
Dr. Mohamed Abd El-Baset  
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## Team Members

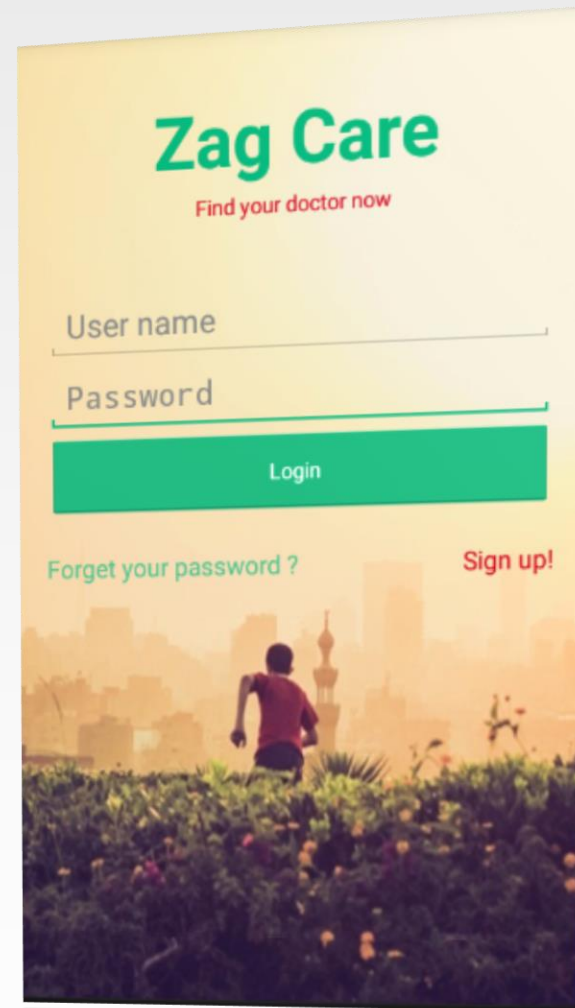
Reda Mohamed

Amin Said

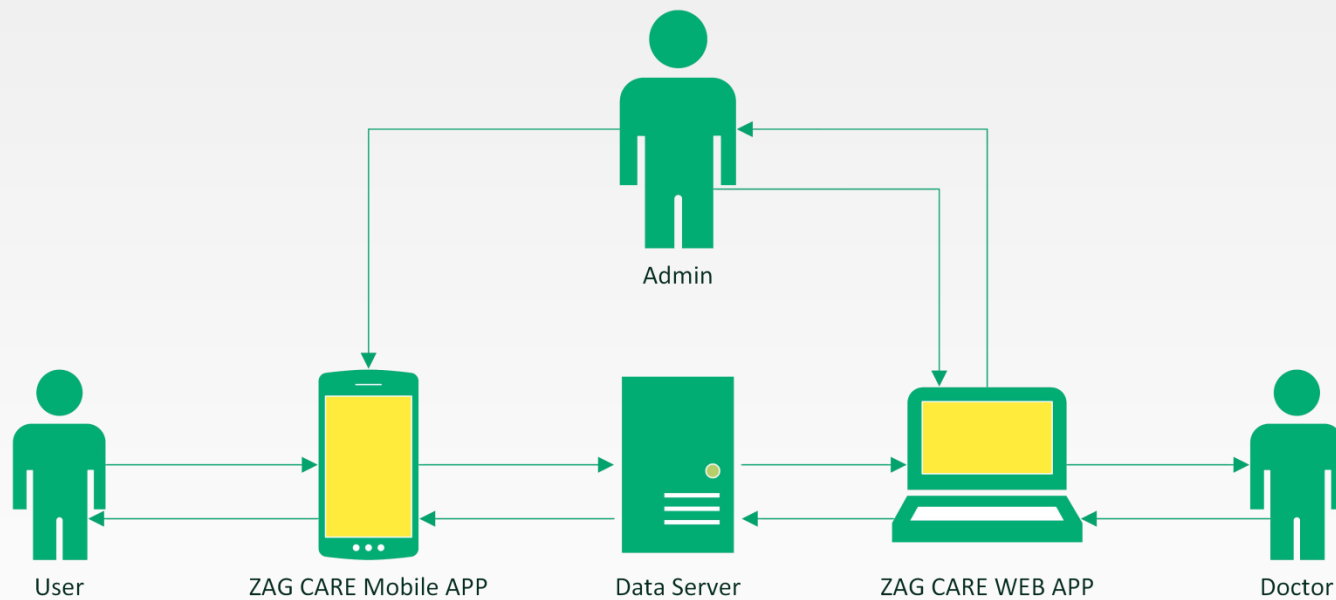
Osama Abd El-Aziz

Mohamed El-Sayed

Islam samy



# Project Idea



# Project Goals

- Save patient's life and time
- Save doctor's time and give him the ability to manage his online reputation.

# Project importance

- Emergency cases
- Easy to find a doctor
- Easy to contact and reserve
- You don't lose your appointment
- You don't lose your way

# Tools & Technologies

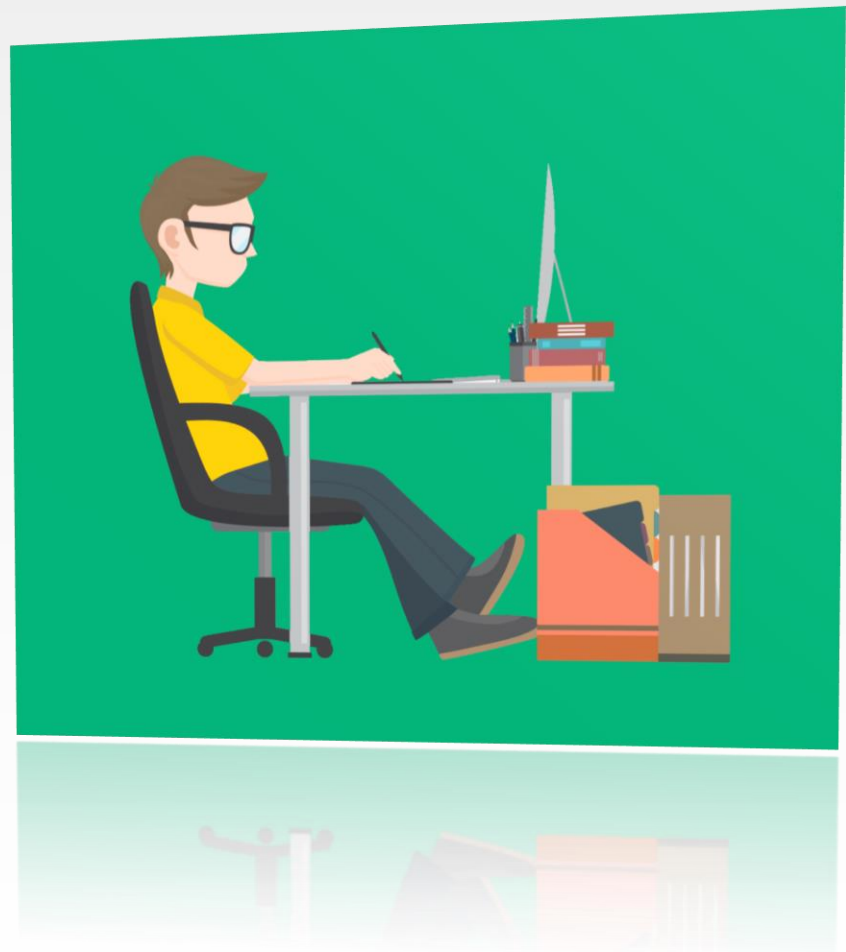
- **Programing** : Java (Android Studio , Eclipse)
- **Database** : MySQL ( HeidiSQL)
- **Design** (Photoshop , InDesign , Microsoft Visio , Android Asset Studio, Microsoft Power Point )
- **Prototyping** (Marvelapp)

# Implementation

- Database implementation
- Web implementation
- Android Interface implementation
- Android Programming implementation

# Database implementation

- We used MySQL
- We creating our table using HeidiSQL Software





# Data implementation

The screenshot shows the HeidiSQL 9.3.0.5042 interface. The left sidebar displays a database tree for 'Unnamed-2' with a schema 'information\_schema' (8.0 KiB) and a database 'zigcare' (2.3 MiB). The 'zigcare' database contains several tables: 'doctor' (1.5 MiB), 'places' (16.0 KiB), 'reservations' (80.0 KiB), 'speciality' (528.0 KiB), 'zigcare\_loaion' (16.0 KiB), 'zigcare\_admins' (32.0 KiB), 'zigcare\_clinics' (96.0 KiB), and 'zigcare\_hospitals' (48.0 KiB). The 'zigcare\_admins' table is selected, and its structure is shown in the main panel. The table has three columns: 'admins\_id' (INT, 10, UNSIGNED, NOT NULL, AUTO\_INCREMENT), 'admins\_user...' (VARCHAR, 100, NOT NULL, DEFAULT '0'), and 'admind\_passw...' (VARCHAR, 100, NOT NULL, DEFAULT '0'). The bottom panel shows a list of SQL queries, including 'SHOW CREATE TABLE', 'ALTER TABLE', 'SHOW TABLE STATUS', 'SHOW FUNCTION STATUS', 'SHOW PROCEDURE STATUS', 'SHOW TRIGGERS FROM', 'SELECT \* FROM', and 'SHOW CREATE TABLE' for various tables in the 'zigcare' database.

Database filter: Table filter: Host: 127.0.0.1 Database: zigcare Table: zigcare\_admins Data Query

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	admins_id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	admins_user...	VARCHAR	100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		
3	admind_passw...	VARCHAR	100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Help Discard Save

```
32 SHOW CREATE TABLE `zigcare`.`doctor`;  
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;  
34 ALTER TABLE `zigcare`.`zigcare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;  
35 ALTER TABLE `zigcare`.`zigcare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day` '  
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';  
37 SHOW TABLE STATUS FROM `zigcare`;  
38 SHOW FUNCTION STATUS WHERE `Db`='zigcare';  
39 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';  
40 SHOW TRIGGERS FROM `zigcare`;  
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM information_schema.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';  
42 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;  
43 /* Entering session "Unnamed-2" */  
44 SHOW CREATE TABLE `zigcare`.`speciality`;  
45 SHOW CREATE TABLE `zigcare`.`doctor`;  
46 SHOW CREATE TABLE `zigcare`.`places`;  
47 SHOW CREATE TABLE `zigcare`.`reservations`;  
48 SHOW CREATE TABLE `zigcare`.`speciality`;  
49 SHOW CREATE TABLE `zigcare`.`zigcare_loaion`;  
50 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
```

A list of databases separated by semicolon. Can contain regular expressions. e.g. "mydbtest.\*" Connected: 01:59 h MySQL 5.1.53 Uptime: 06:25 h Idle.

Admin Table

# Data implementation

Database filter Table filter Host: 127.0.0.1 Database: zigcare Table: doctor

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	ROWID	INT	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	name	MEDIUMTEXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
3	password	MEDIUMTEXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
4	users_username	MEDIUMTEXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
5	IMAGE	LONGBLOB		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No default		
6	EMAIL	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
7	MOBILE	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
8	SPECIALIST	INT	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
9	PlaceID	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
10	nameA	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		

```
27 SHOW ENGINES;
28 SELECT * FROM `zigcare`.`zigcare_admins` LIMIT 1000;
29 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
30 SHOW CREATE TABLE `zigcare`.`doctor`;
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`doctor`;
32 SHOW CREATE TABLE `zigcare`.`doctor`;
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
34 ALTER TABLE `zigcare`.`zigcare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;
35 ALTER TABLE `zigcare`.`zigcare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `Starting_Work_Time`;
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';
37 SHOW TABLE STATUS FROM `zigcare`;
38 SHOW FUNCTION STATUS WHERE `Db`='zigcare';
39 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';
40 SHOW TRIGGERS FROM `zigcare`;
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM `information_schema`.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';
42 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
43 /* Entering session "Unnamed-2" */
44 SHOW CREATE TABLE `zigcare`.`speciality`;
45 SHOW CREATE TABLE `zigcare`.`doctor`;
```

Doctor Table

# Data implementation

The screenshot shows the HeidiSQL interface with the 'users' table structure defined. The table has four columns: 'id' (INT, 11, UNSIGNED, AUTO\_INCREMENT), 'Name' (VARCHAR, 100, ALLOW NULL), 'Password' (VARCHAR, 100, ALLOW NULL), and 'Mobile' (VARCHAR, 100, ALLOW NULL). The 'id' column is the primary key.

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	id	INT	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	Name	VARCHAR	100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
3	Password	VARCHAR	100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
4	Mobile	VARCHAR	100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		

The SQL queries in the bottom pane are as follows:

```
36 SHOW CREATE TABLE `zigcare`.`Users`;
37 SHOW CREATE TABLE `zigcare`.`zicare_location`;
38 SHOW CREATE TABLE `zigcare`.`users`;
39 SELECT * FROM `zigcare`.`users` LIMIT 1000;
40 SHOW CREATE TABLE `zigcare`.`users`;
41 SHOW CREATE TABLE `zigcare`.`doctor`;
42 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`doctor`;
43 SHOW CREATE TABLE `zigcare`.`doctor`;
44 SHOW CREATE TABLE `zigcare`.`places`;
45 SHOW CREATE TABLE `zigcare`.`users`;
46 ALTER TABLE `users` CHANGE COLUMN `id` `id` INT(11) NULL AUTO_INCREMENT FIRST;
47 /* SQL Error (1075): Incorrect table definition; there can be only one auto column and it must be defined as a key */
48 SELECT * FROM `zigcare`.`users` LIMIT 1000;
49 SHOW CREATE TABLE `zigcare`.`users`;
50 ALTER TABLE `users` ADD PRIMARY KEY (id);
51 /* Affected rows: 0 Found rows: 0 Warnings: 0 Duration for 1 query: 0.250 sec. */
52 ALTER TABLE `users` ADD PRIMARY KEY (id);
53 /* SQL Error (1068): Multiple primary key defined */
54 /* Affected rows: 0 Found rows: 0 Warnings: 0 Duration for 0 of 1 query: 0.000 sec. */
55 ALTER TABLE `users` CHANGE COLUMN `id` `id` INT(11) NULL AUTO_INCREMENT FIRST;
56 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';
57 SHOW TABLE STATUS FROM `zigcare`;
58 SHOW FUNCTION STATUS WHERE `Db`='zigcare';
59 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';
60 SHOW TRIGGERS FROM `zigcare`;
61 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM information_schema.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';
62 SHOW CREATE TABLE `zigcare`.`users`;
63 /* Entering session "Unnamed-2" */
64 SHOW CREATE TABLE `zigcare`.`users`;
```

User Table

# Data implementation

Database filter: Unnamed-2

- information\_schema 8.0 KiB
- imagetable
- mysql
- personguid
- test
- users
- zigcare 1.2 MiB
  - doctor 384.0 KiB
  - places 16.0 KiB
  - reservations 80.0 KiB
  - speciality 528.0 KiB
  - zigcare\_locaion 16.0 KiB
  - zigcare\_admins 32.0 KiB
  - zigcare\_clinics 96.0 KiB
  - zigcare\_hospitals 48.0 KiB

Host: 127.0.0.1 Database: zigcare Table: zigcare\_clinics

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	clinics_id	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	Starting_Work...	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	00:00:00		
3	work_day	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Y		
4	clinics_name	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
5	clinics_address	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0		
6	clinics_mobile	VARCHAR	11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		
7	location_id	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0		
8	Key_Doctor	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
9	Ending_Work...	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
10	key_place	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
11	clinicNameA	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		

Help Discard Save

```
15 SHOW FUNCTION STATUS WHERE `Db`='zigcare';
16 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';
17 SHOW TRIGGERS FROM `zigcare`;
18 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='information_schema';
19 SHOW TABLE STATUS FROM `information_schema`;
20 SHOW FUNCTION STATUS WHERE `Db`='information_schema';
21 SHOW PROCEDURE STATUS WHERE `Db`='information_schema';
22 SHOW TRIGGERS FROM `information_schema`;
23 SHOW EVENTS FROM `information_schema`;
24 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM information_schema.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';
25 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
26 SHOW COLLATION;
27 SHOW ENGINES;
28 SELECT * FROM `zigcare`.`zigcare_admins` LIMIT 1000;
29 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
30 SHOW CREATE TABLE `zigcare`.`doctor`;
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`doctor`;
32 SHOW CREATE TABLE `zigcare`.`doctor`;
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
```

Connected: 01:53 h MySQL 5.1.53 Uptime: 06:18 h Idle

Clinics Table

# Data implementation

The screenshot shows the HeidiSQL interface with the 'speciality' table selected in the 'Database: zigcare' context. The table structure is displayed in the 'Columns' panel, and a list of SQL commands is shown in the bottom panel.

**Columns:**

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	ID	INT	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	SpecialName	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
3	IMAGE	LONGBLOB		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No default		
4	Specility_Name...	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		

**SQL Commands:**

```
30 SHOW CREATE TABLE `zigcare`.`doctor`;  
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`doctor`;  
32 SHOW CREATE TABLE `zigcare`.`doctor`;  
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;  
34 ALTER TABLE `zigcare`.`zigcare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;  
35 ALTER TABLE `zigcare`.`zigcare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `Starting_Work_Time`;  
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';  
37 SHOW TABLE STATUS FROM `zigcare`;  
38 SHOW FUNCTION STATUS WHERE `Db`='zigcare';  
39 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';  
40 SHOW TRIGGERS FROM `zigcare`;  
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM `information_schema`.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';  
42 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;  
43 /* Entering session "Unamed-2" */  
44 SHOW CREATE TABLE `zigcare`.`speciality`;  
45 SHOW CREATE TABLE `zigcare`.`doctor`;  
46 SHOW CREATE TABLE `zigcare`.`places`;  
47 SHOW CREATE TABLE `zigcare`.`reservations`;  
48 SHOW CREATE TABLE `zigcare`.`speciality`;
```

Specialties Table

# Data implementation

Unnamed-2\zigcare\reservations - HeidiSQL 9.3.0.5042

File Edit Search Tools Help

Host: 127.0.0.1 Database: zigcare Table: reservations Data Query

Database filter Table filter

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	patient_Name	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
2	patient_age	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
3	patient_sex	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
4	reserve_order	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
5	reserve_date	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
6	telePhone_nu...	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
7	docID	INT	55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
8	clinic_id	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
9	id	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
10	Reserver_Name	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
11	Reserver_Phone	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		

Help Discard Save

```
29 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
30 SHOW CREATE TABLE `zigcare`.`doctor`;
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`docto
32 SHOW CREATE TABLE `zigcare`.`doctor`;
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
34 ALTER TABLE `zigcare`.`zigcare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;
35 ALTER TABLE `zigcare`.`zigcare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day`
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';
37 SHOW TABLE STATUS FROM `zigcare`;
38 SHOW FUNCTION STATUS WHERE `Db`='zigcare';
39 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';
40 SHOW TRIGGERS FROM `zigcare`;
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM `information_schema`.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';
42 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
43 /* Entering session "Unnamed-2" */
44 SHOW CREATE TABLE `zigcare`.`speciality`;
45 SHOW CREATE TABLE `zigcare`.`doctor`;
46 SHOW CREATE TABLE `zigcare`.`places`;
47 SHOW CREATE TABLE `zigcare`.`reservations`;
```

File related commands Connected: 01:57 h MySQL 5.1.53 Uptime: 06:22 h Idle

## Reservations Table

# Data implementation

Database filter: Table filter

Host: 127.0.0.1 Database: zigcare Table: places Data Query

Columns:

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	ID	INT	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	city	VARCHAR	255	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		utf8_unicode_ci
3	cityA	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No default		utf8_unicode_ci

Help Discard Save

```
28 SELECT * FROM `zigcare`.`zigcare_admins` LIMIT 1000;
29 SHOW CREATE TABLE `zigcare`.`zigcare_admins`;
30 SHOW CREATE TABLE `zigcare`.`doctor`;
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zigcare`.`doctor`;
32 SHOW CREATE TABLE `zigcare`.`doctor`;
33 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
34 ALTER TABLE `zigcare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;
35 ALTER TABLE `zigcare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `Starting_Work_Time`;
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zigcare';
37 SHOW TABLE STATUS FROM `zigcare`;
38 SHOW FUNCTION STATUS WHERE `Db`='zigcare';
39 SHOW PROCEDURE STATUS WHERE `Db`='zigcare';
40 SHOW TRIGGERS FROM `zigcare`;
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM information_schema.`EVENTS` WHERE `EVENT_SCHEMA`='zigcare';
42 SHOW CREATE TABLE `zigcare`.`zigcare_clinics`;
43 /* Entering session "Unnamed-2" */
44 SHOW CREATE TABLE `zigcare`.`speciality`;
45 SHOW CREATE TABLE `zigcare`.`doctor`;
46 SHOW CREATE TABLE `zigcare`.`places`;
```

Display session manager Connected: 01:55 h MySQL 5.1.53 Uptime: 06:21 h Idle

Places Table

# Data implementation

The screenshot shows the HeidiSQL interface with the 'zicare\_locaion' table selected. The table structure is as follows:

#	Name	Datatype	Length/Set	Unsigned	Allow NULL	Zerofill	Default	Comment	Collation
1	location_id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		
2	location_lange	DOUBLE		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		
3	location_latitute	DOUBLE		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL		

The SQL query window contains the following queries:

```
31 SELECT `ROWID`, LEFT(`name`, 256), LEFT(`password`, 256), LEFT(`users_username`, 256), LEFT(`IMAGE`, 256), `EMAIL`, `MOBILE`, `SPECIALIST`, `PlaceID`, `nameA` FROM `zicare`.`doctor`
32 SHOW CREATE TABLE `zicare`.`doctor`;
33 SHOW CREATE TABLE `zicare`.`zicare_clinics`;
34 ALTER TABLE `zicare`.`zicare_clinics` ALTER `clinics_name` DROP DEFAULT, ALTER `Ending_Work_Time` DROP DEFAULT;
35 ALTER TABLE `zicare`.`zicare_clinics` CHANGE COLUMN `Starting_Work_Time` `Starting_Work_Time` VARCHAR(255) NOT NULL DEFAULT '00:00:00' AFTER `clinics_id`, CHANGE COLUMN `work_day` `work_day`
36 SELECT `DEFAULT_COLLATION_NAME` FROM `information_schema`.`SCHEMATA` WHERE `SCHEMA_NAME`='zicare';
37 SHOW TABLE STATUS FROM `zicare`;
38 SHOW FUNCTION STATUS WHERE `Db`='zicare';
39 SHOW PROCEDURE STATUS WHERE `Db`='zicare';
40 SHOW TRIGGERS FROM `zicare`;
41 SELECT *, EVENT_SCHEMA AS `Db`, EVENT_NAME AS `Name` FROM information_schema.`EVENTS` WHERE `EVENT_SCHEMA`='zicare';
42 SHOW CREATE TABLE `zicare`.`zicare_clinics`;
43 /* Entering session "Unnamed-2" */
44 SHOW CREATE TABLE `zicare`.`speciality`;
45 SHOW CREATE TABLE `zicare`.`doctor`;
46 SHOW CREATE TABLE `zicare`.`places`;
47 SHOW CREATE TABLE `zicare`.`reservations`;
48 SHOW CREATE TABLE `zicare`.`speciality`;
49 SHOW CREATE TABLE `zicare`.`zicare_locaion`;
```

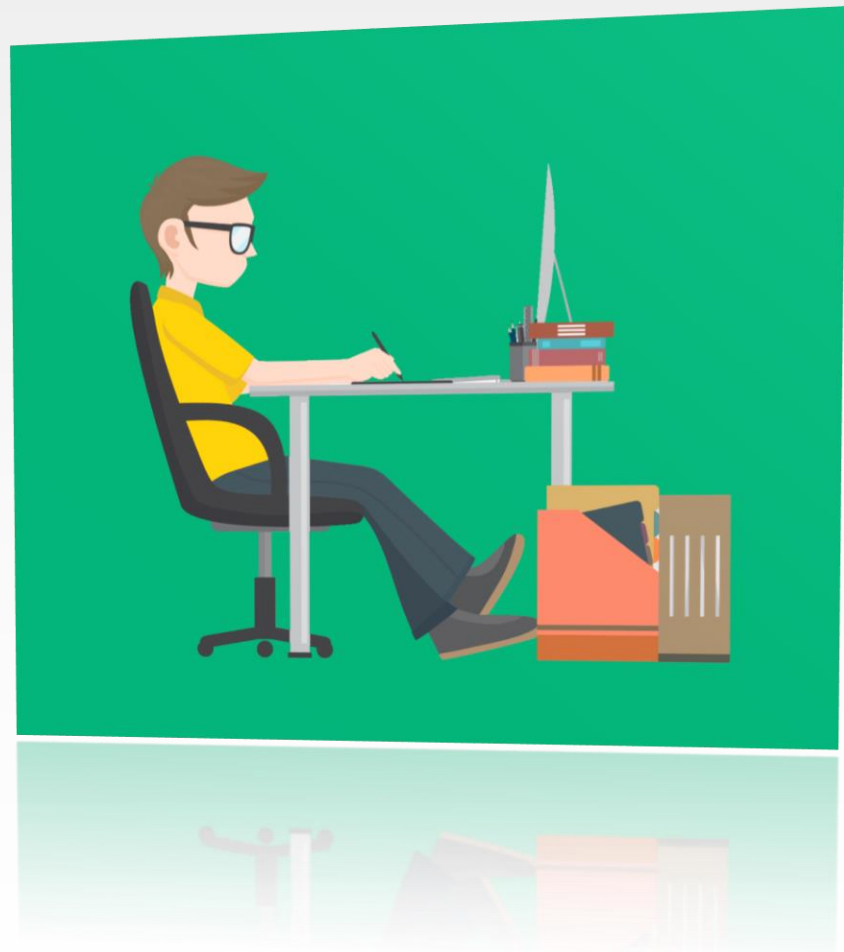
## Location Table



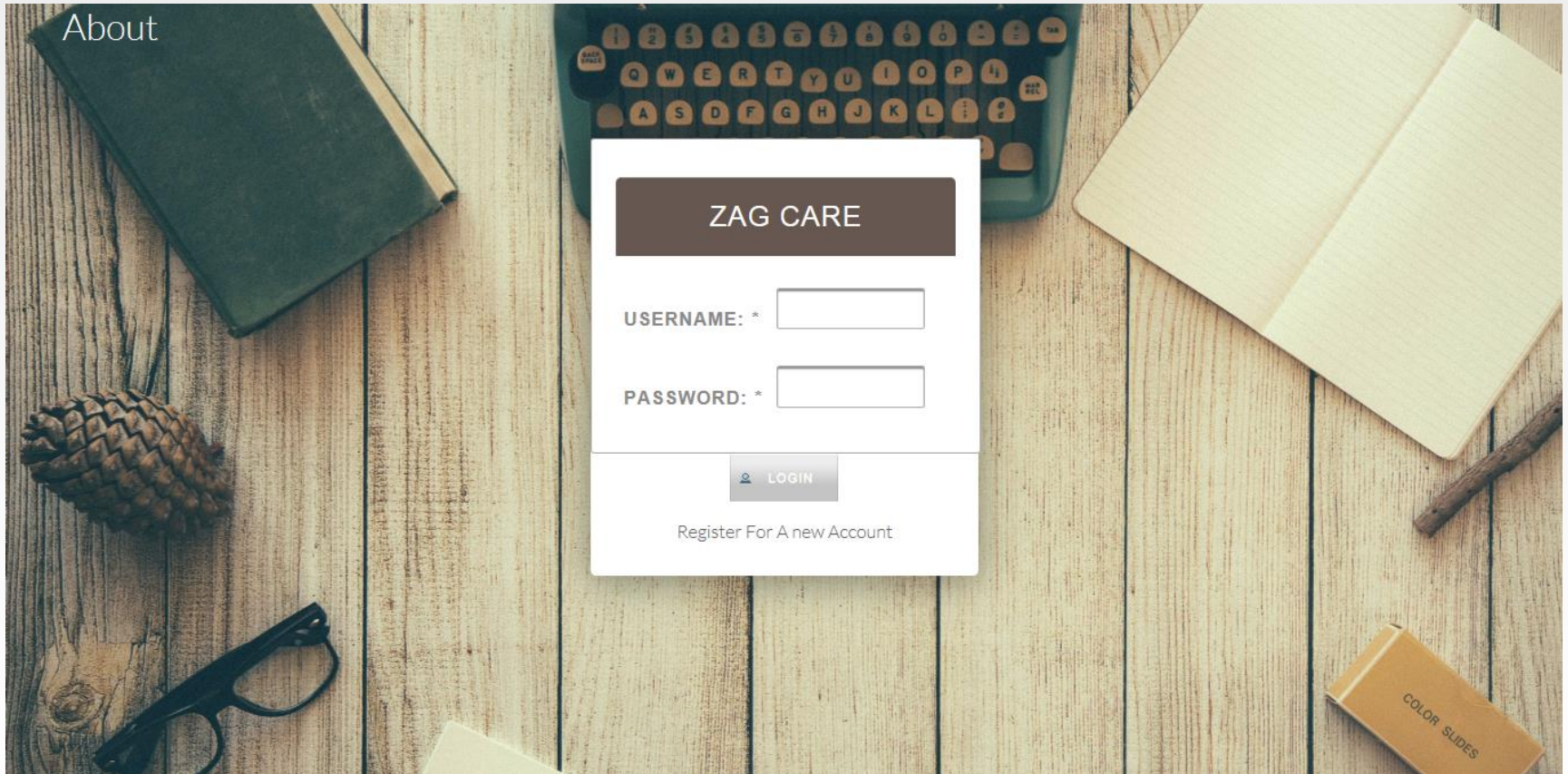


# Web implementation

- We used in web development Java EE specifically JSF.



# Web implementation



# Web implementation



Creating a new Registrarion

▼ Doctor Information

DoctorName: \*

name\_AR: \*

Username: \*

Password: \*

DoctorPhone: \*

Select Image: \*

Browse...

 No file selected.

DoctorSpecialist: \*

Select ▼

city \*

Select ▼


✓ Register Now!

# Web implementation



MY Data

1

name	name_Ar	country	city	password	username	phone	specialist	Image	Action
qt	qt	450	ORAPY SQUARE0	qt	qt	01061574425	Oncologist		<a href="#">editData</a>

1

reserve\_date \*

All

June 2016

Wk	Mo	Tu	We	Th	Fr	Sa	Su
22			1	2	3	4	5
23	6	7	8	9	10	11	12
24	13	14	15	16	17	18	19
25	20	21	22	23	24	25	26

patient_Name	patient_age	patient_sex	reserve_order	patientNa	telePhone_num	id	Action
ali	25	male	3	علي	01061574425	4	<a href="#">Delete</a>   <a href="#">Edit</a>

# Web implementation

**Add A Clinic**

clinics\_name \*

clinicNameA \*

work\_day

☐ SATURDAY ☐ SUNDAY ☐ MONDAY

☐ TUESDAY ☐ WEDNESDAY ☐ THURSDAY

☐ FRIDAY

Starting\_Work\_Time \*

Ending\_Work\_Time \*

clinics\_phone \*

clinics\_address \*

clinicAddressA \*

clinics\_mobile \*

location\_lang \* 

Select

location\_lat \* 

Select

Know Your Clinic Location

doctor \* 

Select

Ending\_Work\_Time \*

clinics\_phone \*

clinics\_address \*

clinicAddressA \*

clinics\_mobile \*

location\_lang \* 

Select

location\_lat \* 

Select

Know Your Clinic Location

doctor \* 

Select

city \* 

Select

Save

# Web implementation



▼

Admins details

All Admins

1

2

▶▶

▶▶

admins_id	admins_username	admind_password
15	xx	xx
16	mohamed12	11
47	admin1	admun1
50	admin2	ghjnb
53	admin4	854

1

2

▶▶

▶▶

▶ Doctors details

▶ Locations details

# Web implementation



All Admins			
<div><div><div></div><div></div><div>1</div><div>2</div><div></div><div></div></div></div>			
admins_id	admins_username	admind_password	Action
15	xx	xx	<a href="#">Delete</a>    <a href="#">Edit</a>
16	mohamed12	11	<a href="#">Delete</a>    <a href="#">Edit</a>
47	admin1	admun1	<a href="#">Delete</a>    <a href="#">Edit</a>
50	admin2	ghjnb	<a href="#">Delete</a>    <a href="#">Edit</a>
53	admin4	854	<a href="#">Delete</a>    <a href="#">Edit</a>
<div><div><div></div><div></div><div>1</div><div>2</div><div></div><div></div></div></div>			
<div>Add new</div>			

# Web implementation



## All Places

1				
ID	country	city	cityA	Action
1	sherkia	ZHOOR	الزهور	<a href="#">Delete</a>    <a href="#">Edit</a>
2	abu hamad	GALAA ST	الجلاء	<a href="#">Delete</a>    <a href="#">Edit</a>
3	450	ORAPY SQUARE0	عرايى	<a href="#">Delete</a>    <a href="#">Edit</a>
5	abu hamad	farouk	شارع فاروق	<a href="#">Delete</a>    <a href="#">Edit</a>
1				

Add new



# Web implementation



All Specialists		
<div><div><div></div><div></div><div>1</div><div>2</div><div>3</div><div>4</div><div></div><div></div></div></div>		
ID	Name	Action
1	Physical Therapy	<a href="#">Delete</a>    <a href="#">Edit</a>
2	Cardiologists	<a href="#">Delete</a>    <a href="#">Edit</a>
3	Dentist	<a href="#">Delete</a>    <a href="#">Edit</a>
4	Orthopedist	<a href="#">Delete</a>    <a href="#">Edit</a>
5	Oncologist	<a href="#">Delete</a>    <a href="#">Edit</a>
<div><div><div></div><div></div><div>1</div><div>2</div><div>3</div><div>4</div><div></div><div></div></div></div>		
<div>Add new</div>		

# Web implementation





All Locations			
<div><div><div></div><div></div><div>1</div><div></div><div></div></div></div>			
location_id	location_lange	location_latitute	Action
1	31.4823	30.5886	<a href="#">Delete</a> <a href="#">Edit</a>
2	44.0	44.0	<a href="#">Delete</a> <a href="#">Edit</a>
3	50.0	50.0	<a href="#">Delete</a> <a href="#">Edit</a>
<div><div><div></div><div></div><div>1</div><div></div><div></div></div></div>			
<div>Add new</div>			

# Web implementation



All Doctors

<div><div>&lt;&lt; 1 2 3 &gt;&gt;</div></div>										
id	name_En	name_Ar	password	country	city	username	phone	specialist	Image	Action
10	rrr	محمد توفيق	147896523	abu hamad	GALAA ST	rrr	0123	Dentist		<a href="#">Delete</a>
11	ahamed adel1	احمد عادل	123456789	abu hamad	GALAA ST	reda2	01024990658	Dentist		<a href="#">Delete</a>

All Clinics

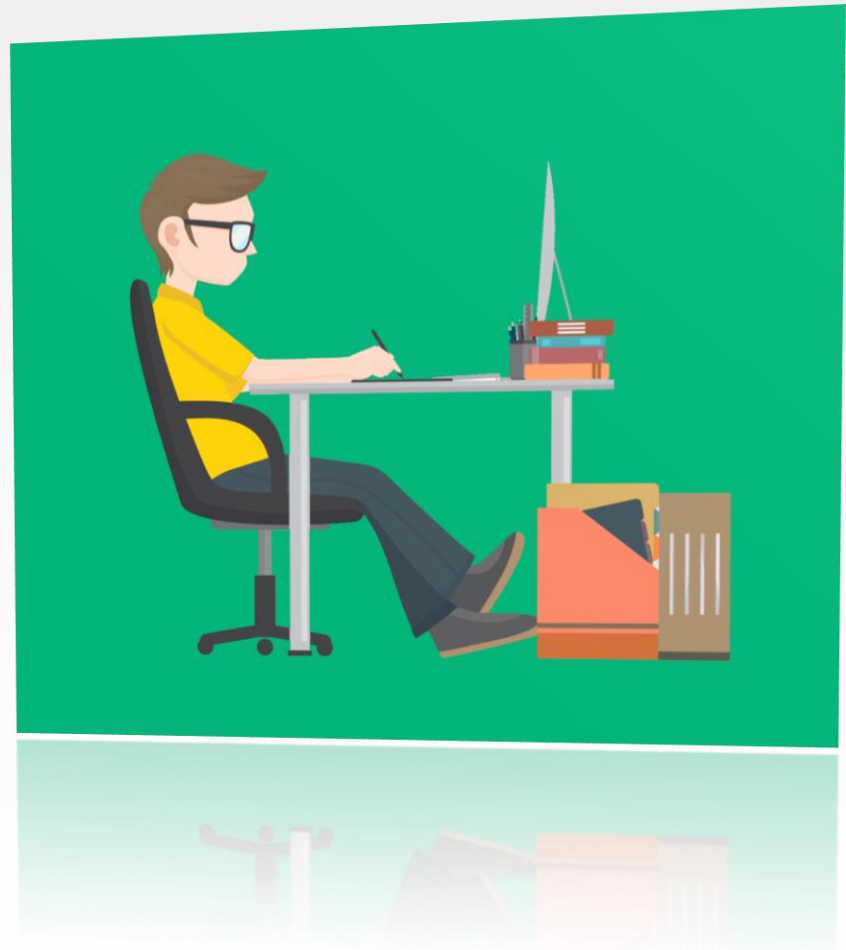
<div><div>&lt;&lt; 1 &gt;&gt;</div></div>														
id	name	Name_A	phone	work_day	Starting_V	Ending_W	address	Address_	mobile	lang	lat	doctor	city	Action
27	qtClinic0	qt0	106157442	SUNDAY	3.5	4.5	87	54	5673018	31.4823	30.5886	qt	ZHOOR	<a href="#">Delete</a>   <a href="#">Edit</a>
30	jkClinic120	jkClinic120	106157442	MONDAY	3.5	6.3	56	65	5673018	31.4823	30.5886	qt	ZHOOR	<a href="#">Delete</a>   <a href="#">Edit</a>

Add new

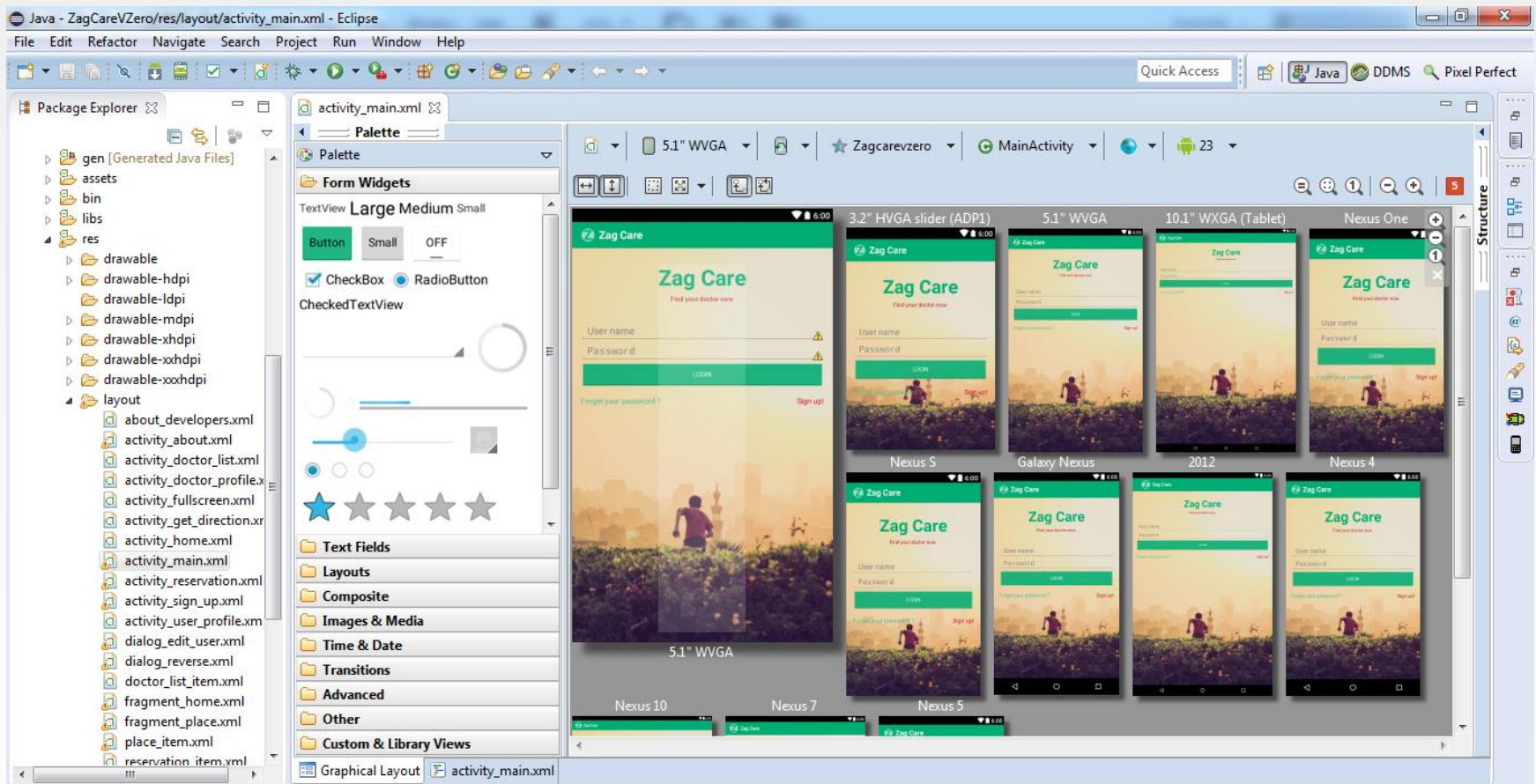


# Android Interface implementation

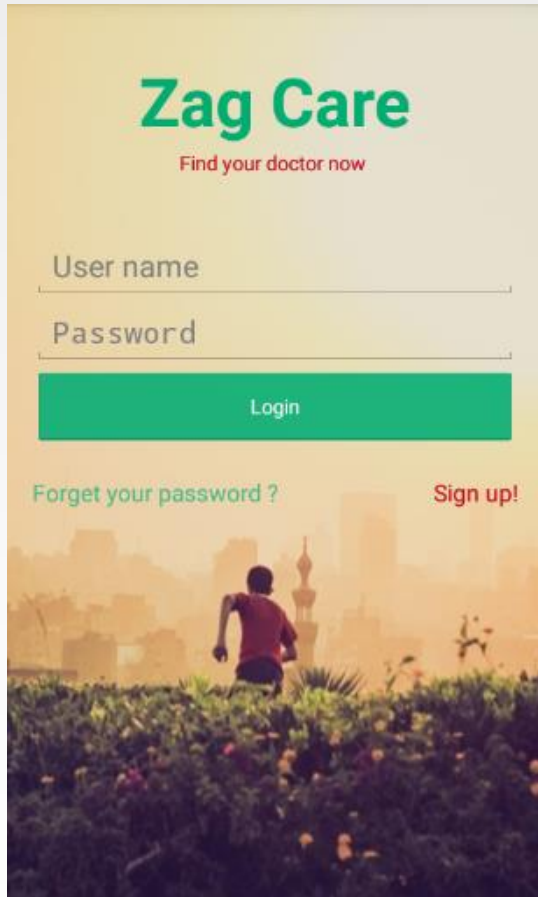
- We used in interface design android assist studio and Eclipse IDE.



# Theming



# Design Layouts



**Zag Care**  
Find your doctor now

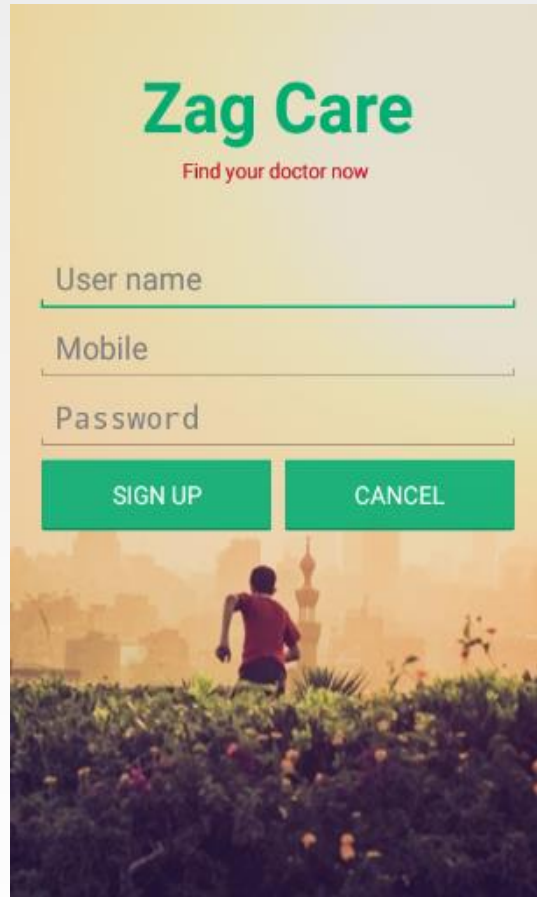
User name

Password

Login

Forget your password ? Sign up!

The login screen features a background image of a person running through a field of flowers with a city skyline in the distance. The Zag Care logo and tagline are at the top. Below are input fields for 'User name' and 'Password', followed by a green 'Login' button. At the bottom, there are links for 'Forget your password ?' and 'Sign up!'.



**Zag Care**  
Find your doctor now

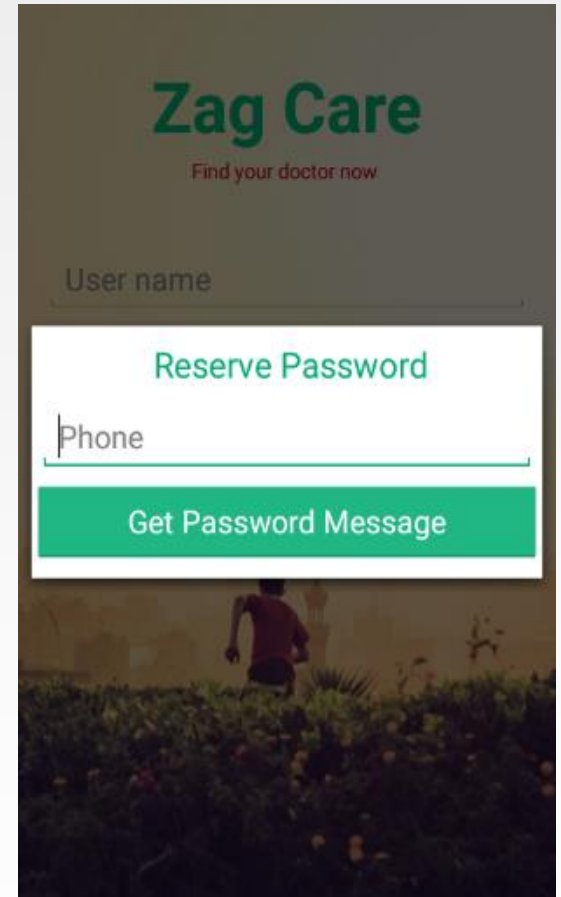
User name

Mobile

Password

SIGN UP CANCEL

The sign up screen has the same background and header as the login screen. It includes input fields for 'User name', 'Mobile', and 'Password'. Below these are two green buttons: 'SIGN UP' and 'CANCEL'.



**Zag Care**  
Find your doctor now

User name

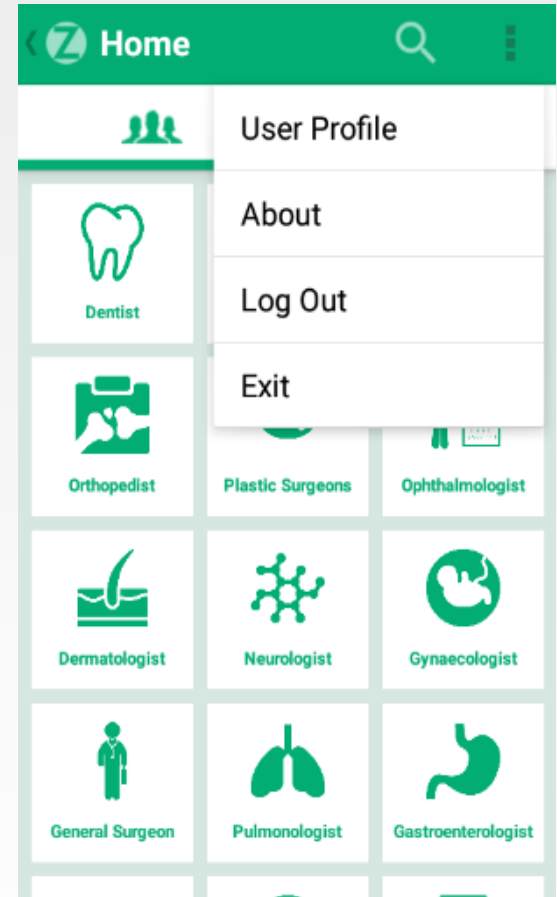
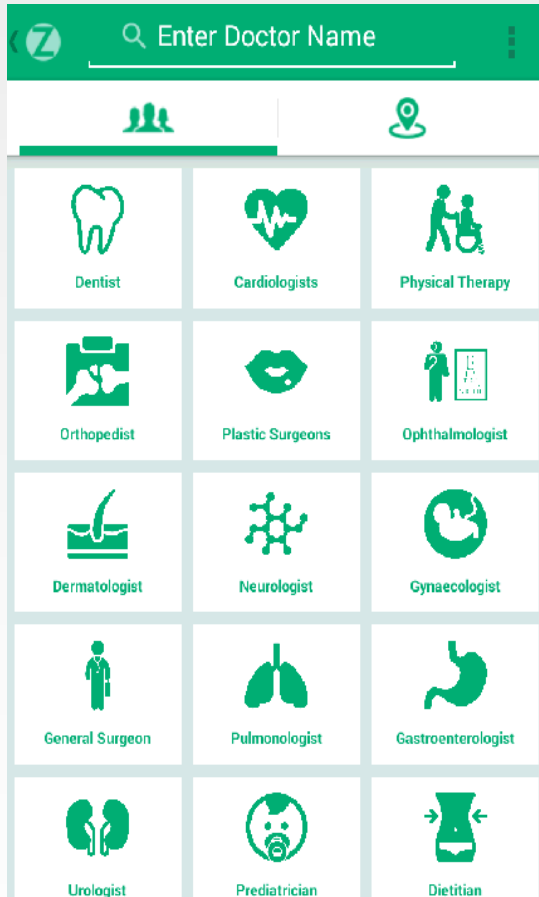
Reserve Password

Phone

Get Password Message

This screen is a modal overlay on a darkened version of the previous screens. It contains a 'User name' input field, a title 'Reserve Password', a 'Phone' input field, and a green button labeled 'Get Password Message'.

# Design Layouts





# Localization

**Zag Care**  
ابحث عن طبيبك الآن

اسم المستخدم

الرقم السري

دخول

نسيت الرقم السري ؟

سجل الآن

**Zag Care**  
ابحث عن طبيبك الآن

اسم المستخدم

الهاتف المحمول

الرقم السري

الغاء

سجل

**Zag Care**  
ابحث عن طبيبك الآن

اسم المستخدم

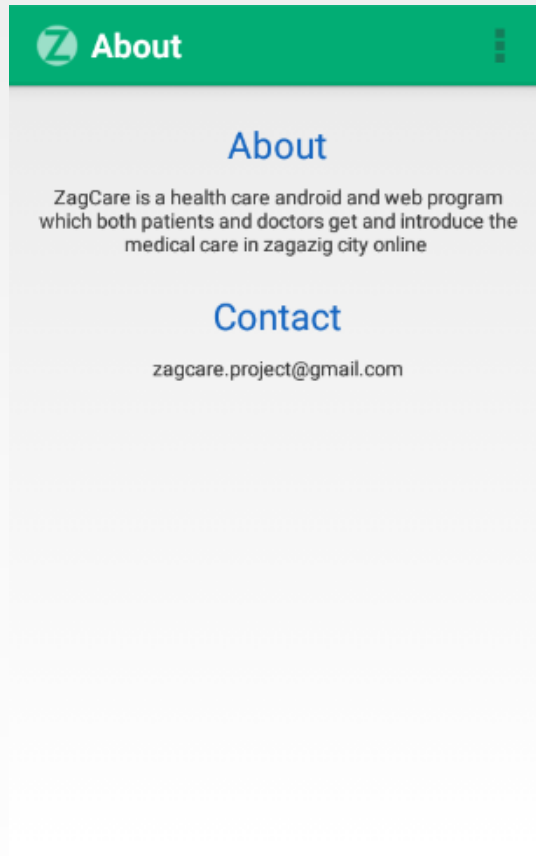
استرجع الرقم السري

الهاتف المحمول

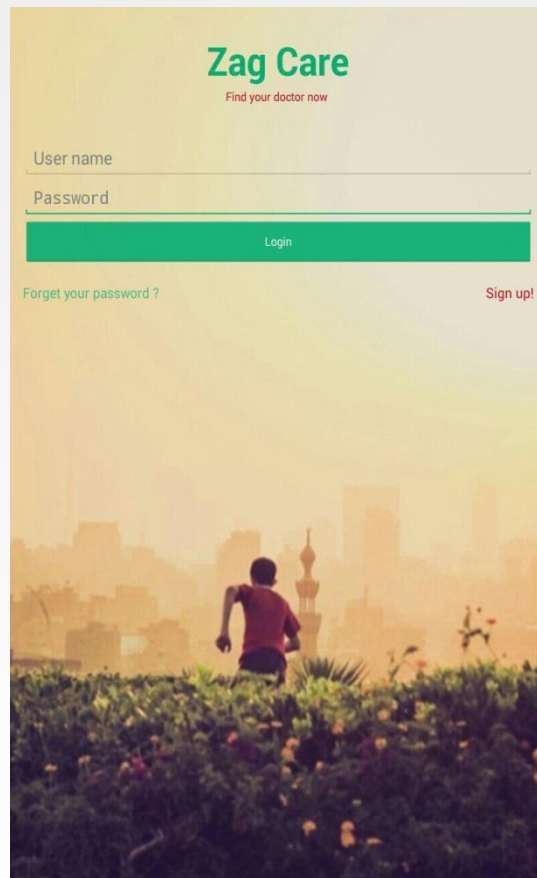
ارسل رسالة بالرقم السري



# Localization



# Supporting Multiple Screens



**Zag Care**  
Find your doctor now

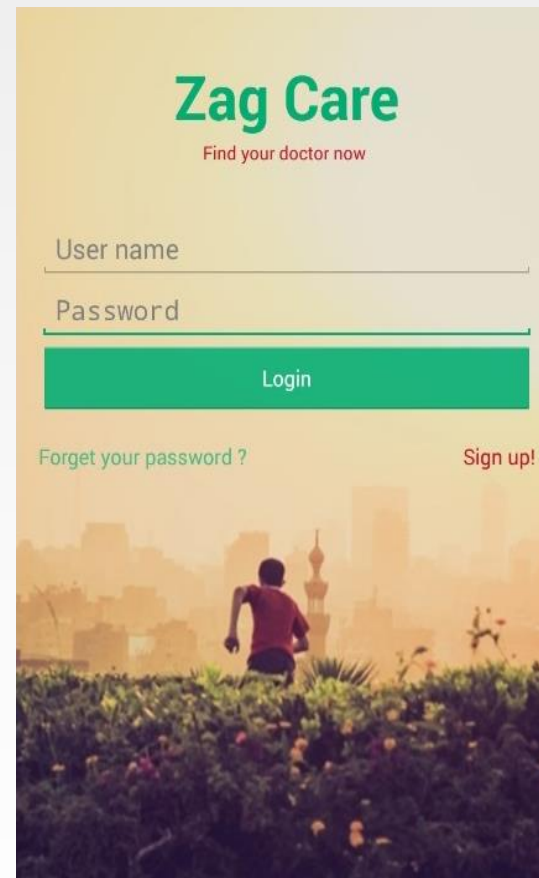
User name

Password

Login

[Forget your password ?](#) [Sign up!](#)

The login screen features a green header with the 'Zag Care' logo and tagline. Below the header are two input fields for 'User name' and 'Password', followed by a green 'Login' button. At the bottom, there are two links: 'Forget your password ?' and 'Sign up!'. The background is a scenic image of a person running on a hill with a city skyline in the distance.



**Zag Care**  
Find your doctor now

User name

Password

Login

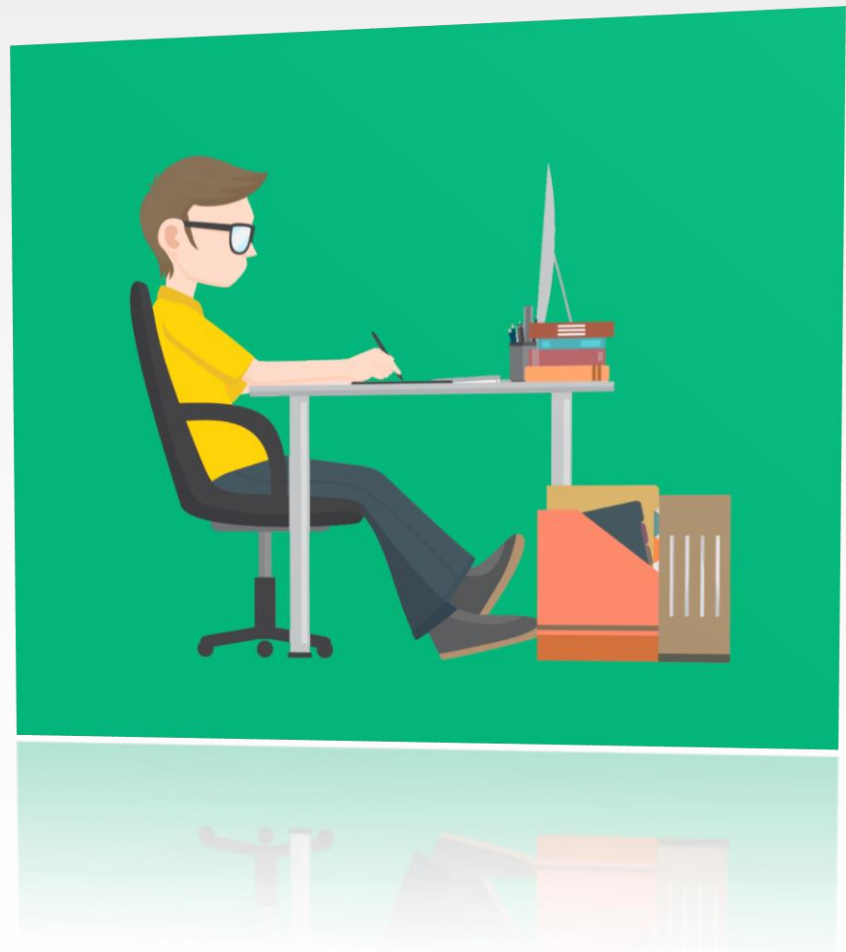
[Forget your password ?](#) [Sign up!](#)

This screen is identical to the one on the left, showing the 'Zag Care' login interface with the same layout, text, and background image.

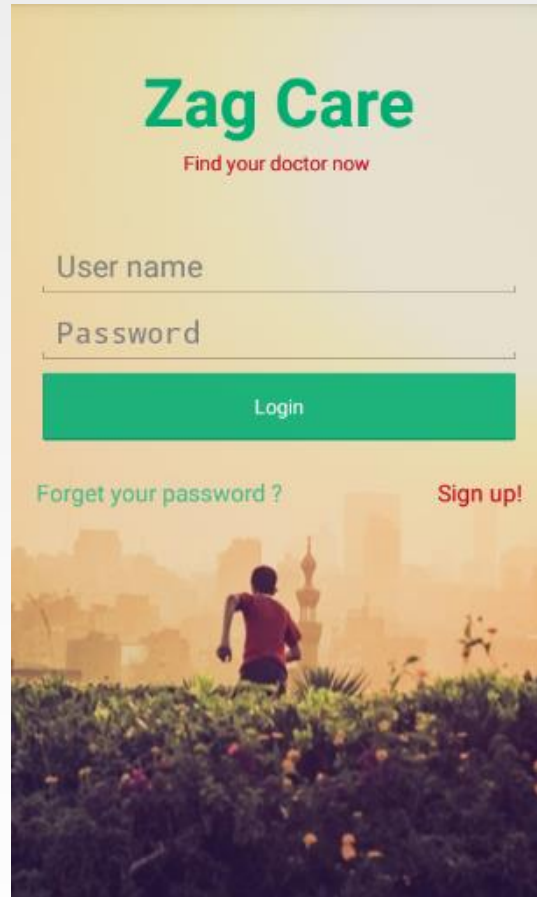


# Android Programing implementation

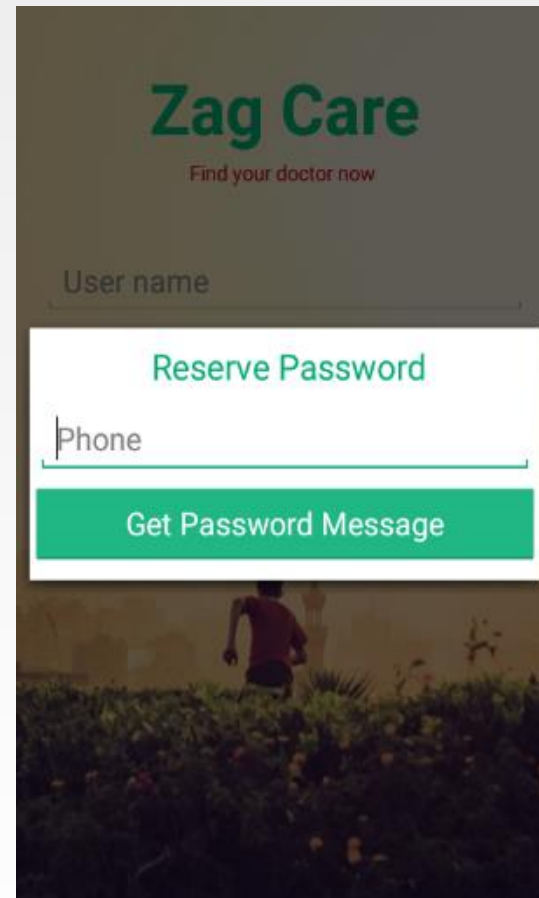
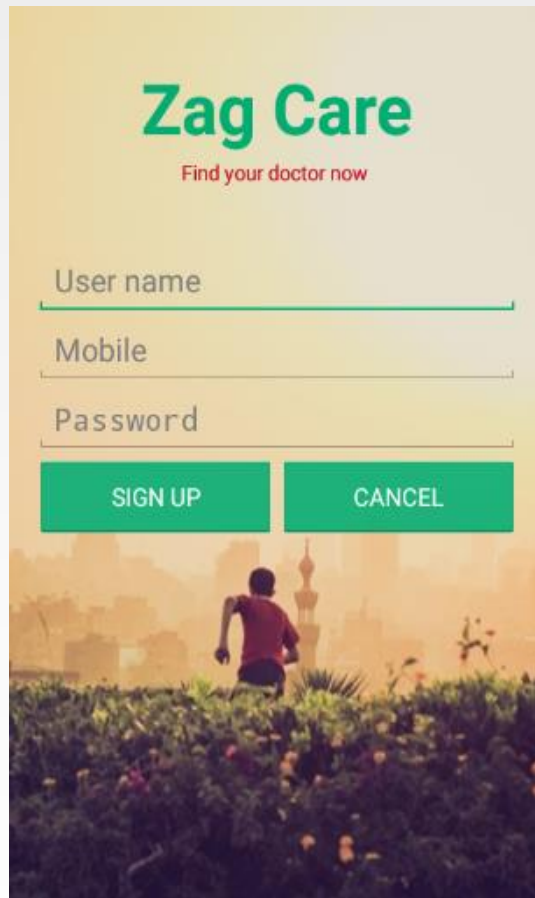
- We used in Android Programing Android Studio IDE



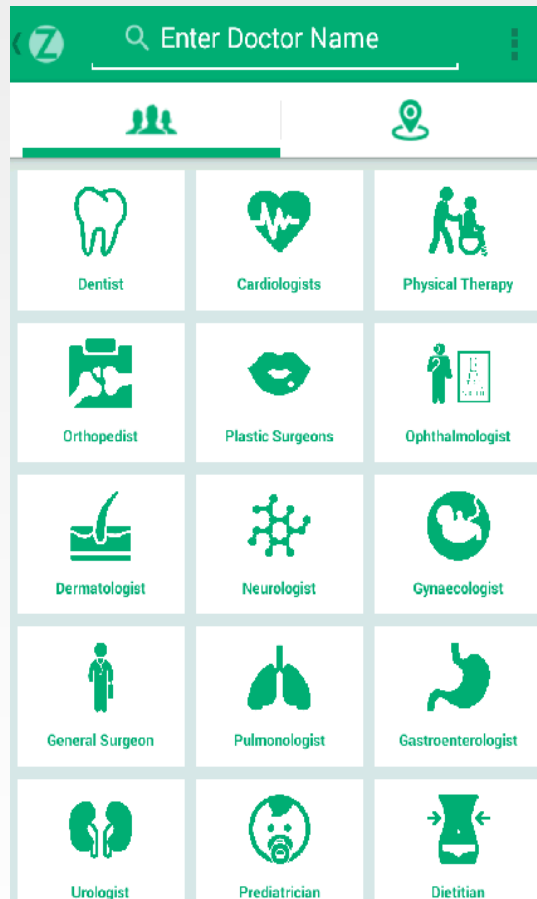
# Android Programming



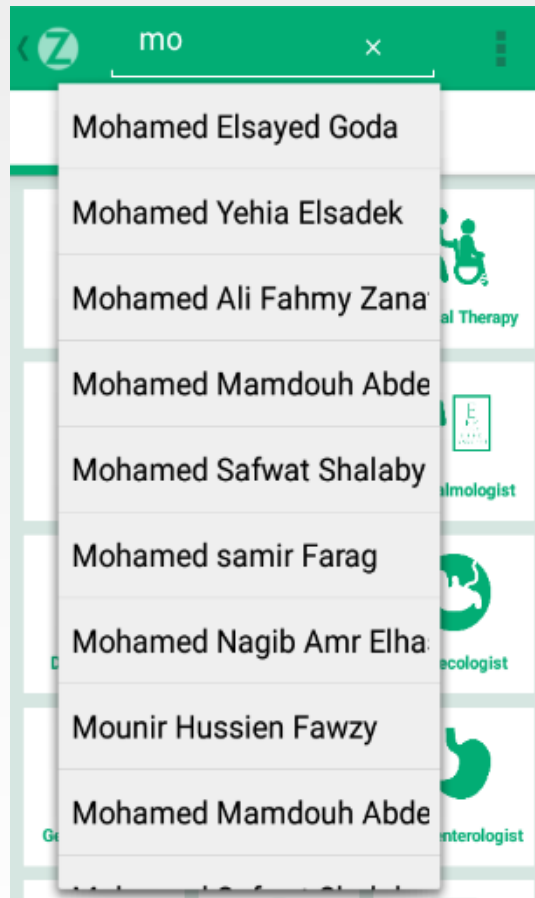
# Android Programing



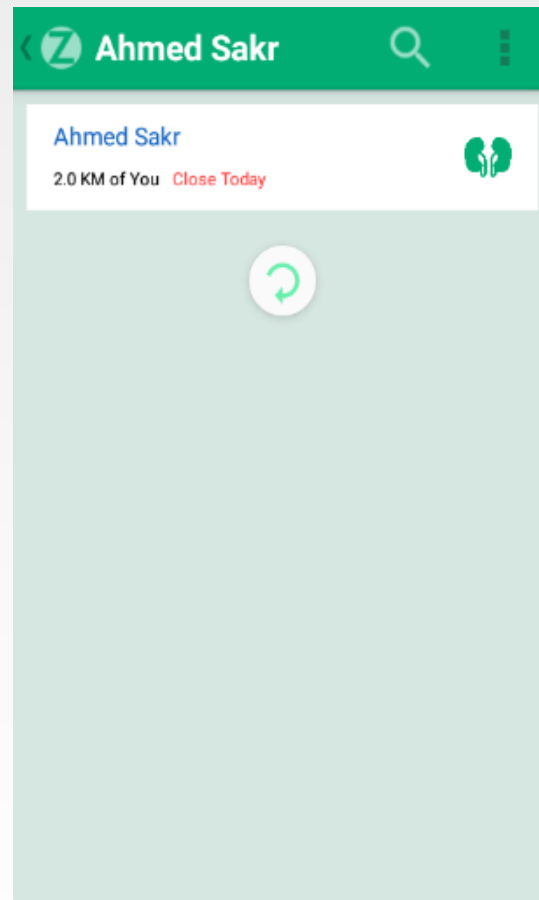
# Android Programing



# Android Programing

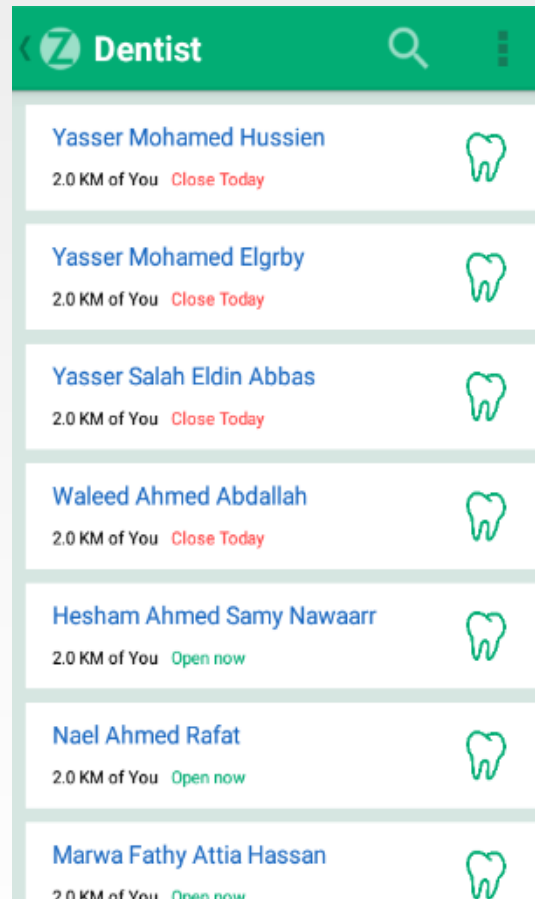


# Android Programing

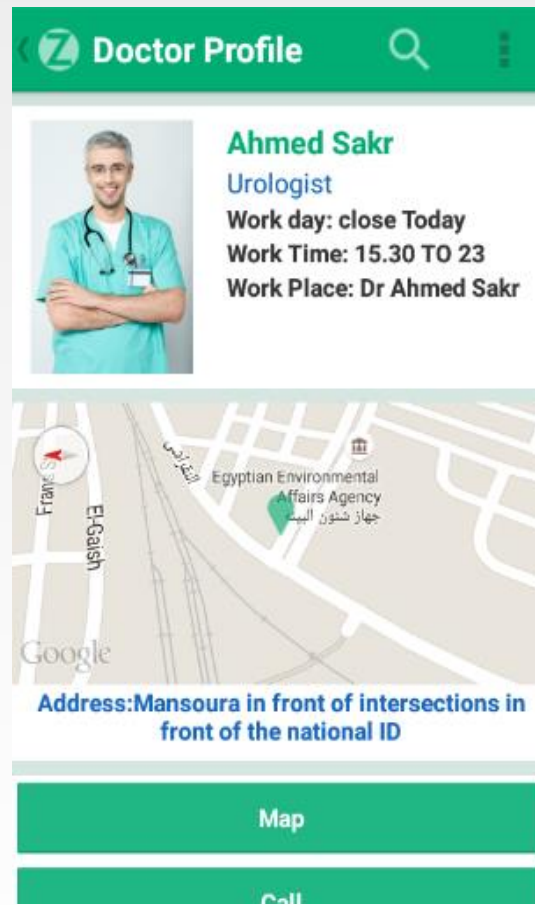




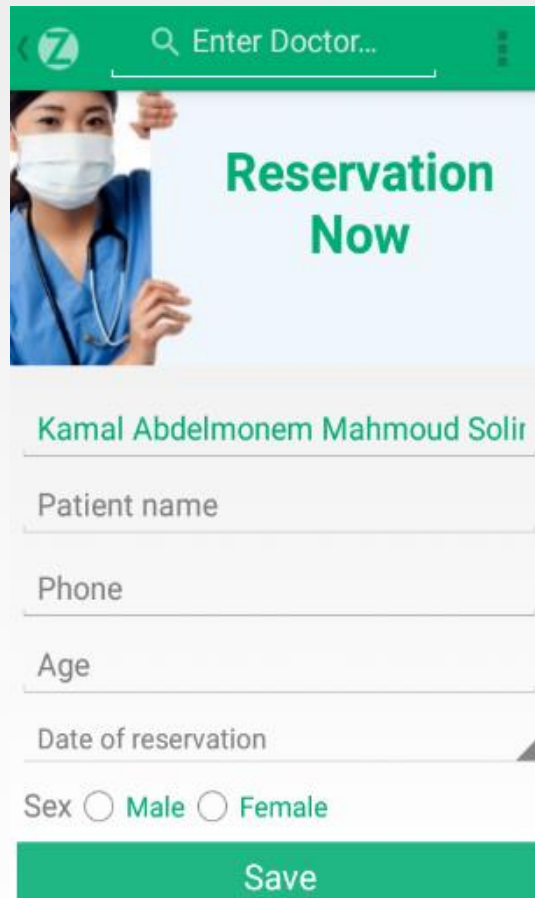
# Android Programing



# Android Programing




# Android Programing



The screenshot displays a mobile application interface for medical reservations. At the top, a green header bar contains a back arrow, a circular logo with a 'Z', a search icon, and the text 'Enter Doctor...'. Below the header, a banner image shows a female doctor in blue scrubs and a white face mask. To the right of the image, the text 'Reservation Now' is displayed in a large, bold, green font. Below the banner, there is a form with several input fields: 'Kamal Abdelmonem Mahmoud Solir' is entered in the 'Patient name' field; the 'Phone' field is empty; the 'Age' field is empty; the 'Date of reservation' field is empty with a dropdown arrow; and the 'Sex' field has two radio buttons, 'Male' (selected) and 'Female'. At the bottom of the form is a green button labeled 'Save'.

< Z 🔍 Enter Doctor...

 **Reservation Now**

Kamal Abdelmonem Mahmoud Solir

Patient name

Phone

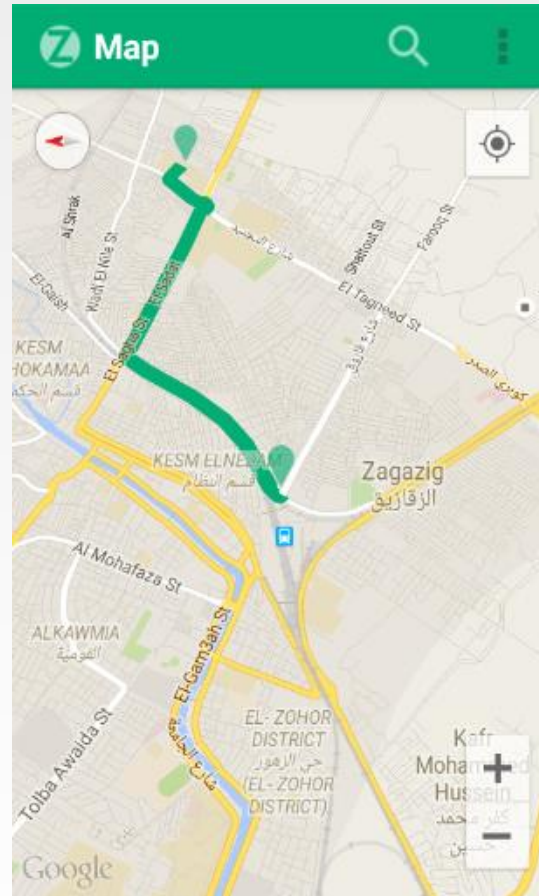
Age

Date of reservation

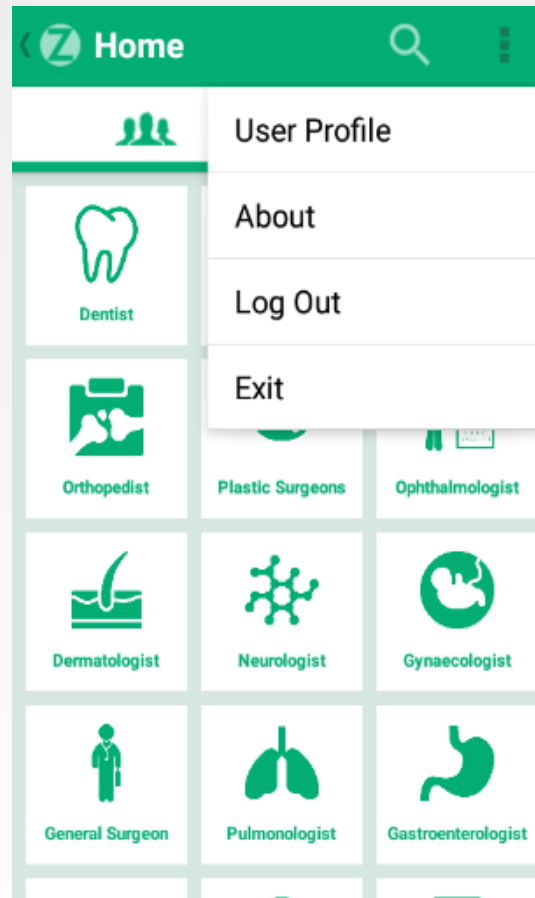
Sex ☒ Male ☐ Female

Save

# Android Programing



# Android Programing



# Android Programing

**Your Profile**

**Profile Information**

User Name **reda**

Phone **01024990658**

**Edit Information**

**Your Next Reservations**

Doctor **AbdElmonem Mahmoud Hamed**

Patient **reda6**

Date **26-06-2016**

Number **5**

**Delete** **Edit**

**Your Profile**

**Profile Information**

User Name **reda**

**Edit Profile Data**

**reda**

**01024990658**

Old Password

New Password

Repeat New Password

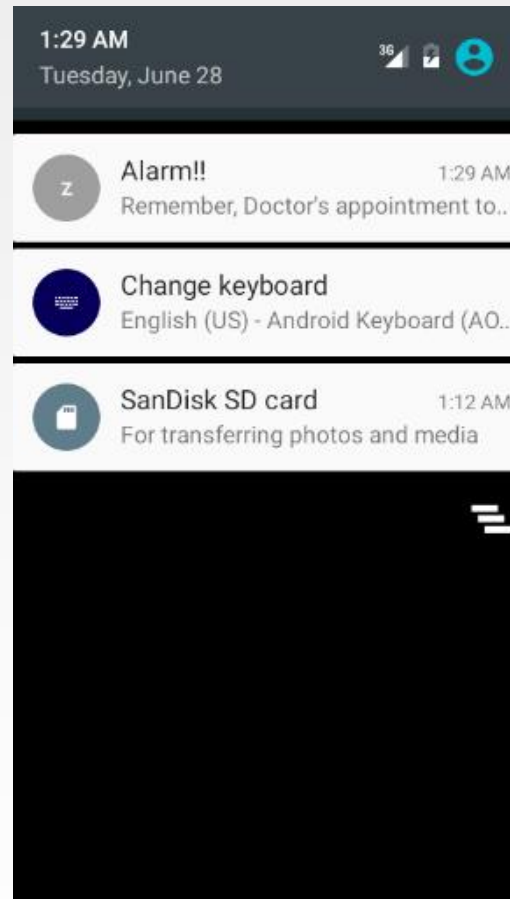
**Save** **Cancel**

Doctor **mohamed ahmed**

Patient **xxxxxxxxxxxxxxxx2**

Date **5**

# Android Programing



# Problems we faced



- Tracking a way using Google map not responsive.
- There is no digital verification system for clinics .



# Future Work

- We put our app on Google play store and extend it in IOS.
- We are going to find a way to a government support and extend our application to serve wide health services and extend geographical covering including more cities and more countries .

# Conclusion

- Thanks to you all
- Thanks to our college