ITE1003 - Database Management Systems

J Component

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Contributors:

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Title of the Project : Online Recruitment System

Name of the Project : RecruitHub

INTRODUCTION

This project has been done by the students of the **B.Tech Information Technology** program for the course of '**Database Management Systems**' with the course code **ITE1003** from Theory Slot G1 and Lab Slot L45+46.

Abstract:

In today's time the necessity of executing things is increasing rapidly and technology plays quite a vital role in day-to-day activities and this in turn made great changes in many work fields and out of them, the recruitment process is one that changed a lot of colors in their systematic approaches. The computer based recruitment system is to replace the manual operations of recruitment as it is time-taking and often chaotic . As recruitment is round an year activity involving thousands of candidates, a need has been felt to automate the process.

Problem Statement :

The pandemic has accelerated the shift to online, it has provided many opportunities and at the same time it has caused immense damage. It has affected the job sector tremendously and many people have been laid off. **We want to create a platform where it is easy for the companies to put out their requirements and advertisements and for people to apply for these positions.** It is aimed at serving the needs of both sides and hence making communication between them simpler.

OBJECTIVE

The main idea behind our project is to provide a platform where the process of finding jobs and employees becomes simpler. We are creating a portal where job seekers can find their dream companies and the companies in turn can find employees matching their requirements.
A database will hold all the information and details required for both the employees and the employers, hence enabling us to create an application which will ease the process of hiring and job seeking.

PROPOSED SYSTEM OVERVIEW

- **Starting Page :** Can navigate to Login / Sign Up from here. Recruits can go through offers without logging in.
- **Sign Up / Login page** for job seekers and companies.
- **Client Side - Job Seeker :**
  - **Finding Jobs :** To surf through and register for companies.
  - **Scheduling Interview :** Selecting a date and time if the application gets approved.
- **Client Side - Company :**
  - **Finding Recruits :** To surf through and send requests to suitable recruits.
  - **Scheduling Interview :** Selecting a date and time if the recruit accepts the hire request.
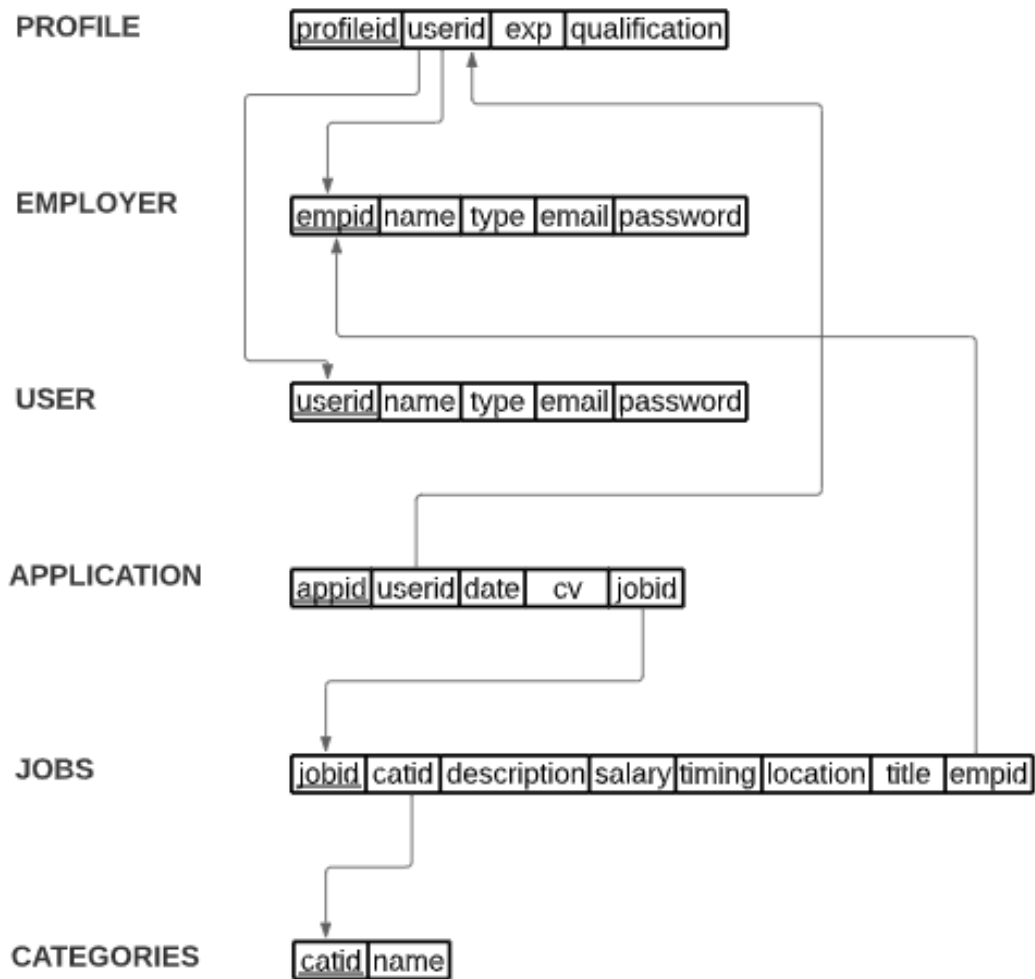
EXPECTED OUTPUT

We are expecting to create a website by the end of this project that will be connected to a database and all the information will be stored in it. Database information can be viewed into 2 parts, depending on whether the user is a job seeker or from a company.

ER DIAGRAM

SCHEMA

PROFILE | profileid | userid | exp | qualification |

EMPLOYER | empid | name | type | email | password |

USER | userid | name | type | email | password |

APPLICATION | appid | userid | date | cv | jobid |

JOBS | jobid | catid | description | salary | timing | location | title | empid |

CATEGORIES | catid | name |
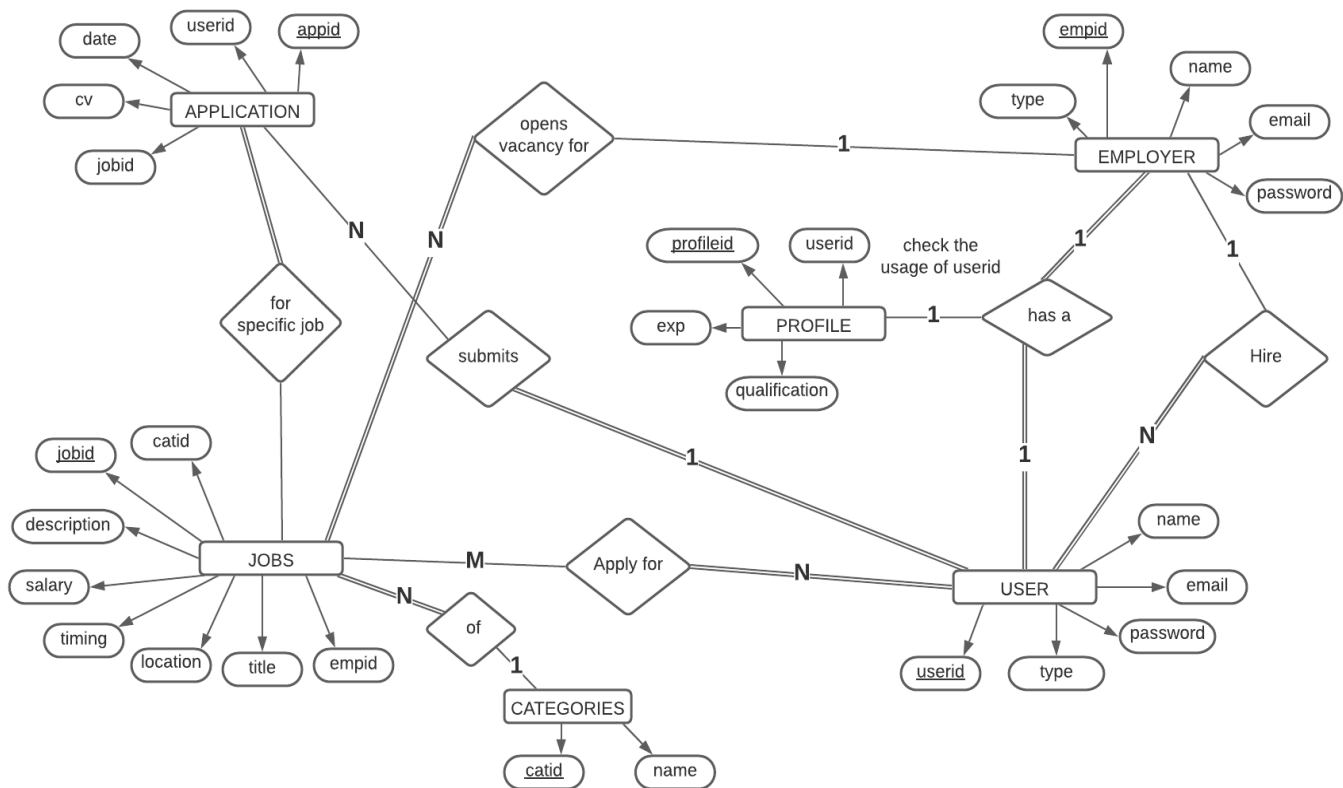
Table Codes:

Application:

```sql
CREATE TABLE `application` (
  `appid` int(11) NOT NULL,
  `userid` int(11) NOT NULL,
  `jobid` int(11) NOT NULL,
  `cv` varchar(1000) NOT NULL,
  `date` date NOT NULL
)
```

```sql
INSERT INTO `application` (`appid`, `userid`, `jobid`, `cv`, `date`)
VALUES
(3, 2, 1, 'KRINA PDF.pdf' , '2023-11-21')
INSERT INTO `application` (`appid`, `userid`, `jobid`, `cv`, `date`)
VALUES
(4, 9, 0, 'RAMESH PDF.pdf' , '2023-11-21')
INSERT INTO `application` (`appid`, `userid`, `jobid`, `cv`, `date`)
VALUES
(5, 10, 2, 'YASH PDF.pdf' , '2023-11-21')
```

				appid	userid	jobid	cv	date
☐	Edit	Copy	Delete	3	2	1	KRINA PDF.pdf	2023-11-21
☐	Edit	Copy	Delete	4	9	0	RAMESH PDF.pdf	2023-11-21
☐	Edit	Copy	Delete	5	10	2	YASH PDF.pdf	2023-11-21

Categories:

```sql
CREATE TABLE `categories` (
  `catid` int(11) NOT NULL,
  `name` varchar(50) NOT NULL
)
```

```sql
INSERT INTO `categories` (`catid`, `name`) VALUES
(1, 'Front End')
INSERT INTO `categories` (`catid`, `name`) VALUES
(2, 'Back End')
INSERT INTO `categories` (`catid`, `name`) VALUES
(3, 'Android Development');
```

←T→				catid	name
☐	🖊 Edit	Copy	⊖ Delete	1	Front End
☐	🖊 Edit	Copy	⊖ Delete	2	Back End
☐	🖊 Edit	Copy	⊖ Delete	3	Android Development

Employer:

```sql
CREATE TABLE `employer` (
  `empid` int(11) NOT NULL,
  `name` varchar(50) NOT NULL,
  `email` varchar(50) NOT NULL,
  `password` varchar(50) NOT NULL,
  `type` int(11) NOT NULL
)
```

```sql
INSERT INTO `employer` (`empid`, `name`, `email`, `password`, `type`)
VALUES
(4, 'Ramesh', 'ramesh@gmail.com', '1234', 1)
INSERT INTO `employer` (`empid`, `name`, `email`, `password`, `type`)
VALUES
(5, 'Rishabh', 'rishabh@gmail.com', '1234', 1)
INSERT INTO `employer` (`empid`, `name`, `email`, `password`, `type`)
VALUES
(6, 'Samikshya', 'samikshya@gmail.com', '1234', 1)
INSERT INTO `employer` (`empid`, `name`, `email`, `password`, `type`)
VALUES
(7, 'Saniya', 'saniya@gmail.com', '1234', 1)
```

←T→				empid	name	email	password	type
☐	Edit	Copy	Delete	4	Ramesh	ramesh@gmail.com	1234	1
☐	Edit	Copy	Delete	5	Rishabh	rishabh@gmail.com	1234	1
☐	Edit	Copy	Delete	6	Samikshya	samikshya@gmail.com	1234	1
☐	Edit	Copy	Delete	7	Saniya	saniya@gmail.com	1234	1

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Jobs:

```sql
CREATE TABLE `jobs` (
  `jobid` int(11) NOT NULL,
  `title` varchar(50) NOT NULL,
  `catid` int(11) NOT NULL,
  `description` varchar(50) NOT NULL,
  `salary` varchar(50) NOT NULL,
  `timing` varchar(50) NOT NULL,
  `location` varchar(50) NOT NULL,
  `empid` int(11) NOT NULL
)
```

```sql
INSERT INTO `jobs` (`jobid`, `title`, `catid`, `description`, `salary`,
`timing`, `location`, `empid`) VALUES
(1, 'FrontEnd Designer', 1, 'React Js,HTML,CSS,JS', '20000', '11 to 1',
'Delhi,India', 2)
INSERT INTO `jobs` (`jobid`, `title`, `catid`, `description`, `salary`,
`timing`, `location`, `empid`) VALUES
(2, 'Android developer', 3, 'Java,Kotlin', '25000', '3 to 5 ',
'Mumbai,India', 2)
INSERT INTO `jobs` (`jobid`, `title`, `catid`, `description`, `salary`,
`timing`, `location`, `empid`) VALUES
(3, 'Software Tester', 2, 'Software Engineering', '35000', '9 to 5 ',
'Hyderabad,India', 2);
```

			jobid	title	catid	description	salary	timing	location	empid
☐	🖉 Edit	⬛ Copy ⊖ Delete	1	FrontEnd Developer	1	React Js,HTML,CSS,JS	20000	11 to 1	Delhi,India	2
☐	🖉 Edit	⬛ Copy ⊖ Delete	2	Android Developer	3	Java, Kotlin	25000	3 to 5	Mumbai,India	2
☐	🖉 Edit	⬛ Copy ⊖ Delete	3	Software Tester	2	Software Engineering	35000	9 to 5	Hyderabad,India	2

Profile:

```sql
CREATE TABLE `profile` (
  `profileid` int(11) NOT NULL,
  `userid` int(11) NOT NULL,
  `qualification` varchar(50) NOT NULL,
  `exp` varchar(50) NOT NULL
)
```

```sql
INSERT INTO `profile`(`profileid`, `userid`, `qualification`, `exp`)
VALUES
('1','1','Btech','3 months')
INSERT INTO `profile`(`profileid`, `userid`, `qualification`, `exp`)
VALUES
('2','3','Mtech','1 yr')
INSERT INTO `profile`(`profileid`, `userid`, `qualification`, `exp`)
VALUES
('3','2','PhD','6 yrs')
```

←T→				profileid	userid	qualification	exp
☐	Edit	Copy	Delete	1	1	Btech	3 months
☐	Edit	Copy	Delete	2	3	Mtech	1 yr
☐	Edit	Copy	Delete	3	2	PhD	6 yrs

User:

```sql
CREATE TABLE `user` (
  `userid` int(11) NOT NULL,
  `name` varchar(50) NOT NULL,
  `email` varchar(50) NOT NULL,
  `password` varchar(50) NOT NULL,
  `type` int(11) NOT NULL
)
```

```sql
INSERT INTO `user` (`userid`, `name`, `email`, `password`, `type`) VALUES
(2, 'Yash', 'yash@gmail.com', '1234', 2),
INSERT INTO `user` (`userid`, `name`, `email`, `password`, `type`) VALUES
(9, 'Krina', 'krinapanchal2002@gmail.com', '1234', 2),
INSERT INTO `user` (`userid`, `name`, `email`, `password`, `type`) VALUES
(10, 'Arsal', 'arsal@gmail.com', '1234', 2),
INSERT INTO `user` (`userid`, `name`, `email`, `password`, `type`) VALUES
(11, 'harry potter', 'harrypotter@gmail.com', '1234', 2);
```

			userid	name	email	password	type
☐	Edit	Copy	Delete	2	Yash	yash@gmail.com	1234	2
☐	Edit	Copy	Delete	9	Krina	krinapanchal2002@gmail.com	1234	2
☐	Edit	Copy	Delete	10	Arsal	arsal@gmail.com	1234	2
☐	Edit	Copy	Delete	11	harry potter	harrypotter@gmail.com	1234	2

Constraints:

Application:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	appid	3	A	No	
Edit	Rename	Drop	FK_application	BTREE	No	No	userid	3	A	No	

Categories:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	catid	3	A	No	

Employer:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	empid	4	A	No	

Jobs:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	jobid	3	A	No	
Edit	Rename	Drop	FK_jobs	BTREE	No	No	empid	3	A	No	

Profile:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	profileid	2	A	No	
Edit	Rename	Drop	FK_profile	BTREE	No	No	userid	2	A	No	

User:

Action			Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	Rename	Drop	PRIMARY	BTREE	Yes	No	userid	5	A	No	