DATABASE MANAGEMENT SYSTEM

Project Report

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17 PWCSE 1541

AMNA ABID
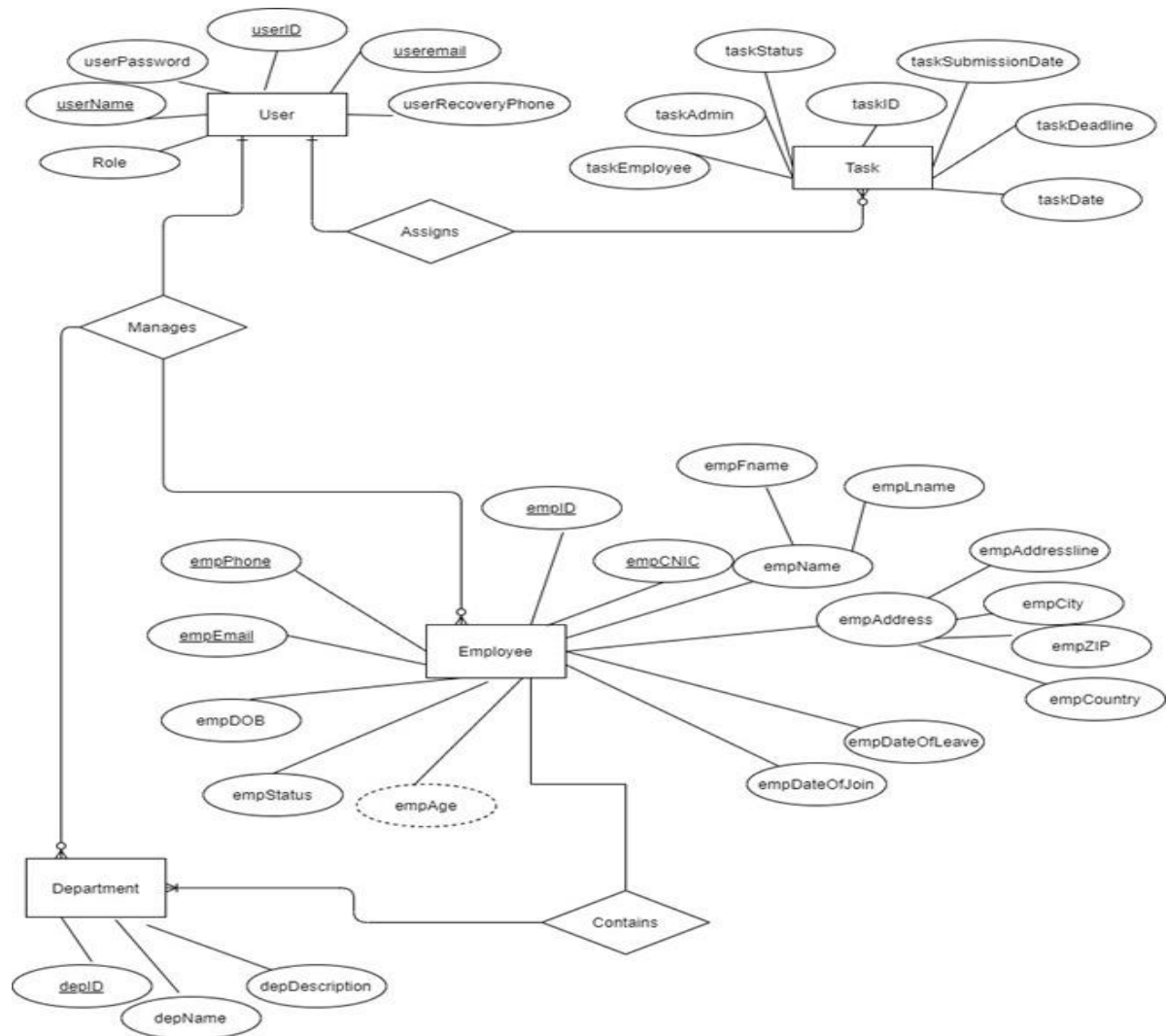DEPARTMENT OF COMPUTER SYSTEM ENGINEERING

17 PWCSE 1531

MUHAMMAD NASIR
DEPARTMENT OF COMPUTER SYSTEM ENGINEERING
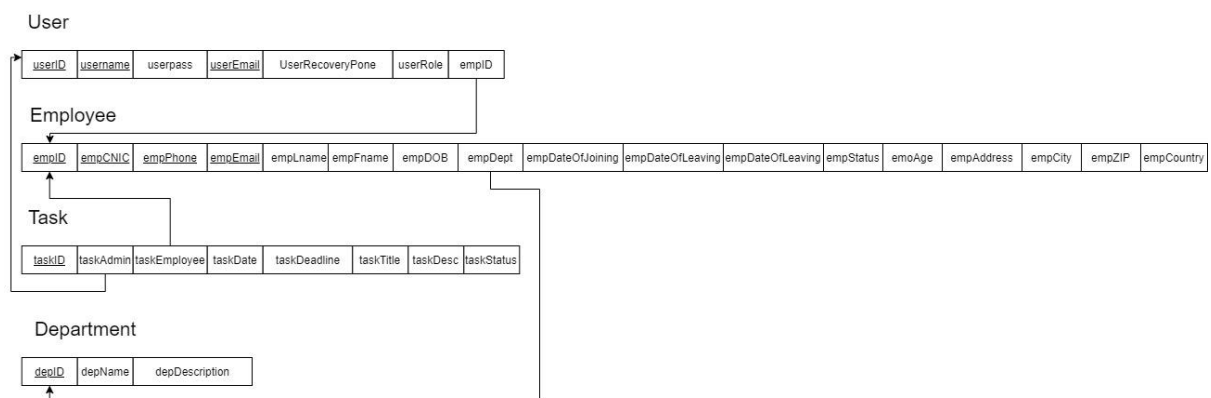
17 PWCSE 1519

CONTENTS

ER DIAGRAM

[Link to full resolution image](#)

LOGICAL SCHEMA

User

userID	username	userpass	userEmail	UserRecoveryPone	userRole	empID

Employee

empID	empCNIC	empPhone	empEmail	empLname	empFname	empDOB	empDept	empDateOfJoining	empDateOfLeaving	empDateOfLeaving	empStatus	emoAge	empAddress	empCity	empZIP	empCountry

Task

taskID	taskAdmin	taskEmployee	taskDate	taskDeadline	taskTitle	taskDesc	taskStatus

Department

depID	depName	depDescription

[Link to full resolution image](#)

APPLICATION FILE

The apk file has been uploaded with this document on google classroom however you can download it from here as well

HTTPS://DRIVE.GOOGLE.COM/FILE/D/1SK0DGLYJH107YJ-S4O0CJO4SN2PU-NRC/VIEW?USP=SHARING
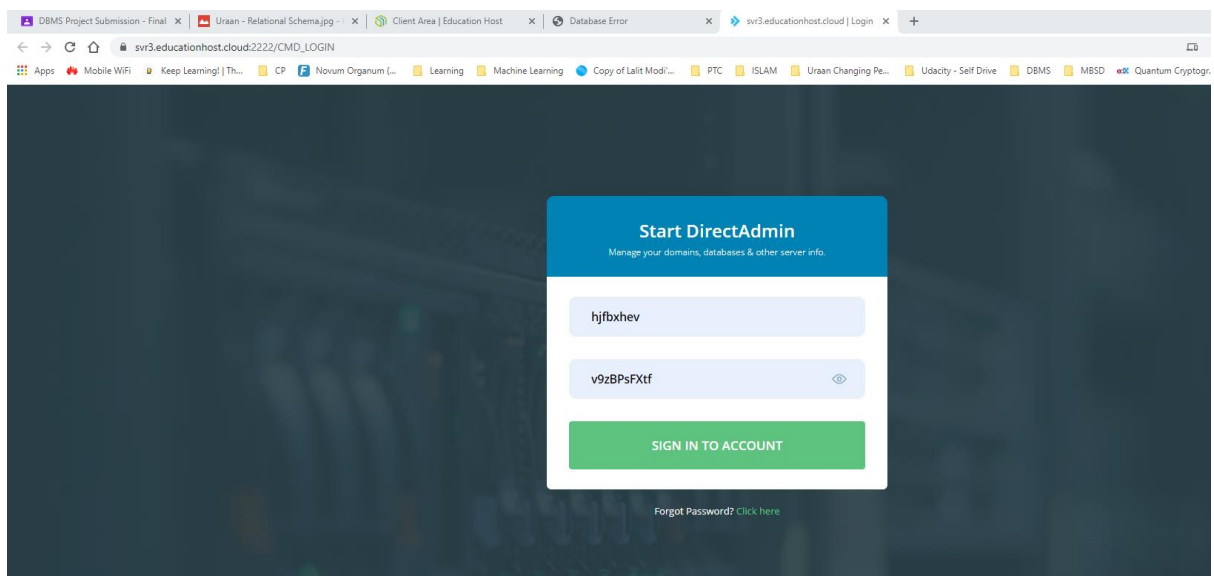
PROJECT DEMO

HOW TO ACCESS THE BACK-END OF PROJECT (READ ME)

STEP 1: LOG IN TO OUR HOST SERVER

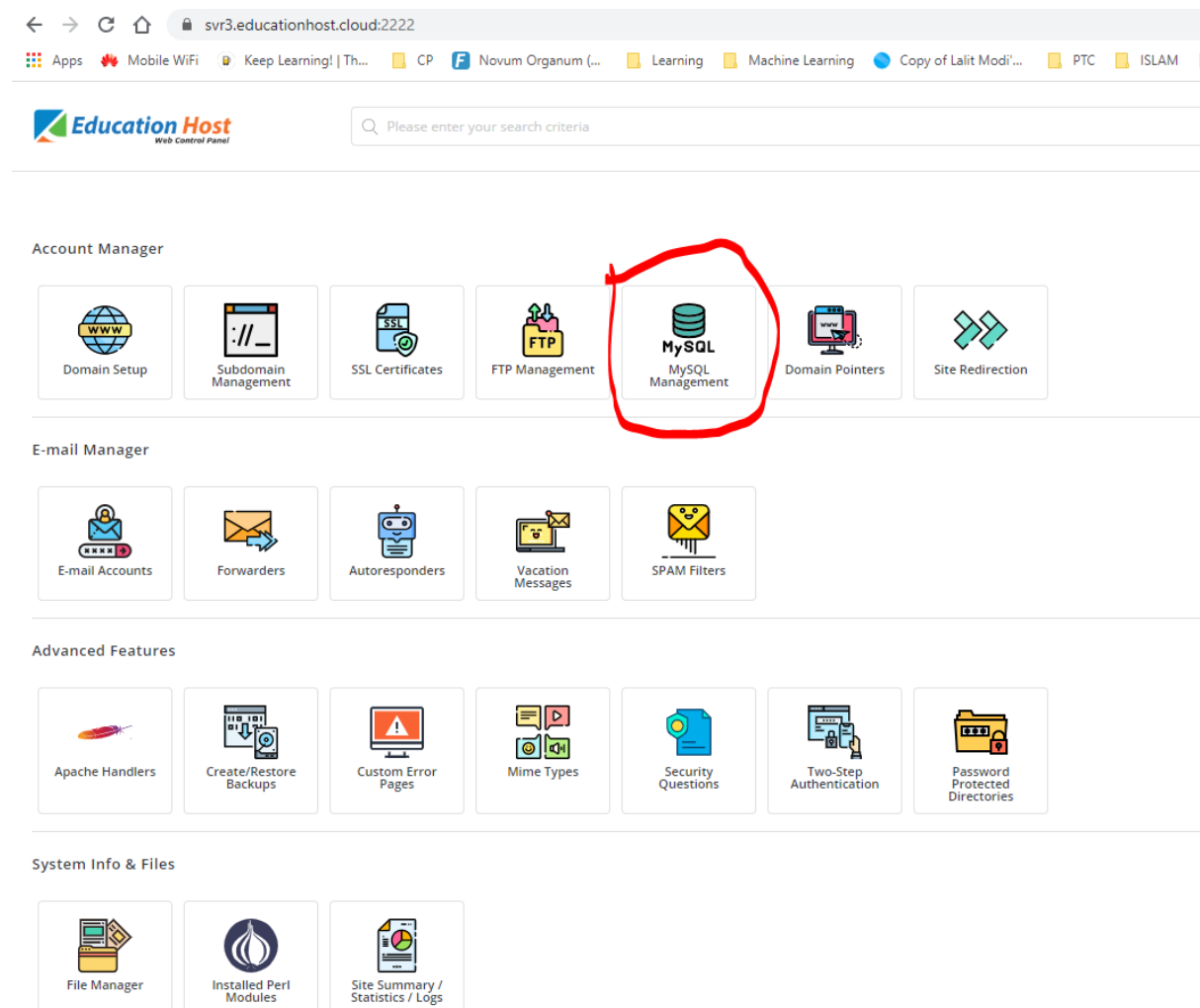https://svr3.educationhost.cloud:2222/CMD_LOGIN

username: hjfbxhev
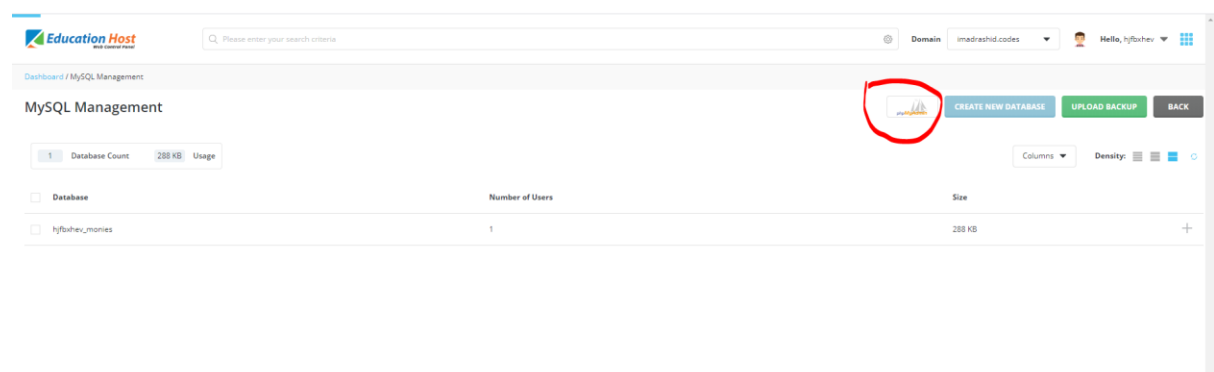
password: v9zBPsFXtf

STEP 02: FROM DASHBOARD CLICK ON MY SQL MANAGEMENT

STEP 03:

There is a small phpmyadmin icon **on right top bar** click on it to login to our database

DATABASE LOADED:

Tables for current project are:

1. User
2. Employee
3. Task
4. Department

TO ACCESS THE PROJECT CODE

Sometimes, Huawei phones(due to Chinese restriction) or other android versions show incompatibility with apk files. Our project has been developed in latest android X, it is advised to build a fresh copy on your emulator

https://github.com/ImadRashid/uraan

Download the entire project from master branch.
it will be downloaded in .zip format
extract the project anywhere, open it with android studio as a flutter project

Run and build the project on to your emulator

DATABASE CODE

The database code file Uraan.sql is already present at
https://github.com/ImadRashid/uraan
Inside the .readme folder

```
-- phpMyAdmin SQL Dump

-- version 4.9.5

-- https://www.phpmyadmin.net/

--

-- Host: localhost:3306

-- Generation Time: Sep 01, 2020 at 08:53 AM

-- Server version: 5.7.29-cll-lve

-- PHP Version: 7.3.21


SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";

SET AUTOCOMMIT = 0;

START TRANSACTION;

SET time_zone = "+00:00";



/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;

/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

/*!40101 SET NAMES utf8mb4 */;


--

-- Database: `hjfbxhev_monies`

--



-- --------------------------------------------------------



--

-- Table structure for table `Department`

--
```

```sql
CREATE TABLE `Department` (
  `depID` int(11) NOT NULL,
  `depName` varchar(30) NOT NULL,
  `depDescription` varchar(30) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


-- --------------------------------------------------------


--
-- Table structure for table `Employee`
--

CREATE TABLE `Employee` (
  `empID` int(11) NOT NULL,
  `empCNIC` varchar(30) DEFAULT NULL,
  `empPhone` varchar(30) NOT NULL,
  `empEmail` varchar(30) NOT NULL,
  `empLname` varchar(30) NOT NULL,
  `empFname` varchar(30) NOT NULL,
  `empDOB` varchar(30) DEFAULT NULL,
  `empDept` varchar(30) DEFAULT NULL,
  `empDateOfJoining` varchar(30) DEFAULT NULL,
  `empDateOfLeaving` varchar(30) DEFAULT NULL,
  `empStatus` varchar(30) DEFAULT NULL,
  `empAge` varchar(30) DEFAULT NULL,
  `empAddress` varchar(30) DEFAULT NULL,
  `empCity` varchar(30) DEFAULT NULL,
  `empZIP` int(11) DEFAULT NULL,
  `empCountry` varchar(30) DEFAULT NULL,
  `depID` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


--
-- Dumping data for table `Employee`
```

```
--

INSERT INTO `Employee` (`empID`, `empCNIC`, `empPhone`, `empEmail`, `empLname`,
`empFname`, `empDOB`, `empDept`, `empDateOfJoining`, `empDateOfLeaving`, `empStatus`,
`empAge`, `empAddress`, `empCity`, `empZIP`, `empCountry`, `depID`) VALUES

(2, NULL, '33532523', 'qasim@gmail.com', 'Khan', 'Qasim', NULL, NULL, NULL, NULL, NULL,
NULL, NULL, NULL, NULL, NULL, NULL),

(3, NULL, '353453', 'naseem@gmail.com', 'Khan', 'Naeem', NULL, NULL, NULL, NULL, NULL,
NULL, NULL, NULL, NULL, NULL, NULL),

(4, NULL, '7890123', 'raheela@gmail.com', 'Hassana', 'Raheela', NULL, NULL, NULL, NULL,
NULL, NULL, NULL, NULL, NULL, NULL, NULL);


-- --------------------------------------------------------


--
-- Table structure for table `Task`
--


CREATE TABLE `Task` (
  `taskID` int(11) NOT NULL,
  `taskAdmin` varchar(30) NOT NULL,
  `taskEmployee` varchar(30) NOT NULL,
  `taskDate` varchar(30) DEFAULT NULL,
  `taskDeadline` varchar(30) DEFAULT NULL,
  `taskTitle` varchar(30) NOT NULL,
  `taskDesc` varchar(30) NOT NULL,
  `taskStatus` varchar(30) DEFAULT NULL,
  `userID` int(11) NOT NULL,
  `empID` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


-- --------------------------------------------------------


--
-- Table structure for table `User`
--
```

```sql
CREATE TABLE `User` (
 `userID` int(255) NOT NULL,
 `fullname` varchar(255) DEFAULT NULL,
 `username` varchar(30) DEFAULT NULL,
 `userpass` varchar(30) NOT NULL,
 `userEmail` varchar(30) NOT NULL,
 `userRecoveryPhone` varchar(30) NOT NULL,
 `userRole` varchar(30) DEFAULT NULL,
 `empID` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


--
-- Dumping data for table `User`
--


INSERT INTO `User` (`userID`, `fullname`, `username`, `userpass`, `userEmail`, `userRecoveryPhone`, `userRole`, `empID`) VALUES
(1, 'Imad Rashid', NULL, 'asDF1234', 'admin@admin.com', '1234567890', 'admin', NULL),
(2, 'Muhammad Nasir', NULL, 'tryit987', 'nasir@gmail.com', '03351996734', NULL, NULL),
(3, 'imad', NULL, 'tryit987', 'imad@gmail.com', '03351996723', NULL, NULL),
(11, 'Muhammad Nasir', NULL, 'tryit987', 'nasiruetian.pk@gmail.com', '03351996734', 'admin', NULL),
(12, 'Nakhlah Tanoli', NULL, '11223344', 'nkl123@gmail.com', '090078601', NULL, NULL),
(13, 'Tasmiya Khan', NULL, 'asdf1234', 'tasmiya@gmail.com', '123456', NULL, NULL),
(14, 'Imad', NULL, 'asdf1234', 'mohsin@uraan.com', '1234567890', NULL, NULL),
(18, 'try', NULL, 'asdf1234', 'try@try.com', '1234567890', NULL, NULL),
(19, 'Adil Shahab', NULL, 'asDF1234', 'adilshahab@uraan.com', '1234567890', NULL, NULL);


--
-- Indexes for dumped tables
--


--
-- Indexes for table `Department`
--
ALTER TABLE `Department`
```

```
 ADD PRIMARY KEY (`depID`);


--
-- Indexes for table `Employee`
--
ALTER TABLE `Employee`
 ADD PRIMARY KEY (`empID`,`empPhone`,`empEmail`) USING BTREE,
 ADD UNIQUE KEY `empCNIC` (`empCNIC`),
 ADD KEY `depID` (`depID`);


--
-- Indexes for table `Task`
--
ALTER TABLE `Task`
 ADD PRIMARY KEY (`taskID`),
 ADD KEY `userID` (`userID`),
 ADD KEY `empID` (`empID`);


--
-- Indexes for table `User`
--
ALTER TABLE `User`
 ADD PRIMARY KEY (`userID`),
 ADD KEY `empID` (`empID`);


--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `Department`
--
ALTER TABLE `Department`
 MODIFY `depID` int(11) NOT NULL AUTO_INCREMENT;
```

```
--
-- AUTO_INCREMENT for table `Employee`
--
ALTER TABLE `Employee`
 MODIFY `empID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;


--
-- AUTO_INCREMENT for table `Task`
--
ALTER TABLE `Task`
 MODIFY `taskID` int(11) NOT NULL AUTO_INCREMENT;


--
-- AUTO_INCREMENT for table `User`
--
ALTER TABLE `User`
 MODIFY `userID` int(255) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=20;


--
-- Constraints for dumped tables
--


--
-- Constraints for table `Employee`
--
ALTER TABLE `Employee`
 ADD CONSTRAINT `employee_ibfk_1` FOREIGN KEY (`depID`) REFERENCES `Department`
(`depID`);


--
-- Constraints for table `Task`
--
ALTER TABLE `Task`
 ADD CONSTRAINT `task_ibfk_1` FOREIGN KEY (`userID`) REFERENCES `User` (`userID`),
 ADD CONSTRAINT `task_ibfk_2` FOREIGN KEY (`empID`) REFERENCES `Employee` (`empID`);
```

```
--
-- Constraints for table `User`
--
ALTER TABLE `User`
  ADD CONSTRAINT `user_ibfk_1` FOREIGN KEY (`empID`) REFERENCES `Employee` (`empID`);
COMMIT;


/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;

/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;

/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```