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1  #PROJECT_FINAL
2
3  CREATE DATABASE PROJECTWORK;
4
5  use PROJECTWORK;
6
7  -- =====
8
9  #USER_DETAILS TABLE
10
11  create table User_Details(
12  USER_ID int auto_increment PRIMARY KEY,
13  FNAME varchar(10) not null,
14  LNAME varchar(10),
15  mobile_no char(13),
16  email_id char(25),
17  DOB date,
18  AGE FLOAT,
19  SITE_JOINING_DATE date,
20  CITY char(20),
21  DISTRICT char(15),
22  STATE char(15),
23  ABOUT varchar(100),
24  STATUS char(10) CHECK (STATUS IN('online','offline'))
25  );
26
27  -- =====
28
29  #SKILL_DATA
30
31  create table SKILL_DATA
32  (
33  USER_ID int,
34  SID int,
35  TOTALJOBSDONE INT default 0,
36  RATINGS float default 0 check (RATINGS <= 5),
37  PRIMARY KEY(USER_ID,SID),
38  constraint fk_userid_skill_data foreign key(user_id) references user_Details(user_id)
39  );
40
41  -- =====
42
43  #SKILL TABLE
44
45  create table SKILL
46  (
47  SID int primary key,
48  SKILL Varchar(20)
49  );
50
51  -- =====
52  #REQUIREMENT TABLE (ACTIVE JOBS)
53
54  create table REQUIREMENT
55  (
56  WID int auto_increment primary key,
57  USER_ID int, -- this is clients user_id, who will post the job opening
58  SKILLS_REQ varchar(20),
59  JOB_DESC varchar(200),
60  POST_DATE date,
61  WORK_DATE date,
62  REWARD char(10),
63  CITY char(20),
64  DISTRICT char(15),
65  STATE char(15),
66  STATUS CHAR(10) check(STATUS IN ('Active','Closed','Complete')),
67  CONSTRAINT FK_USER_ID_REQUIREMENT foreign key(USER_ID) REFERENCES user_details(user_id)
68  );
69

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70  -- =====
71  #WORK HISTORY TABLE
72
73  create table WORK_HISTORY
74  (
75  WID int,
76  USER_ID int, -- this is freelancers user_id
77  RATINGS FLOAT,
78  REWARD_STATUS char(10) check(REWARD_STATUS IN ('PAID','UNPAID')),
79  primary key(WID,USER_ID),
80  constraint FK_WORK_HISTORY_WID foreign key(WID) references REQUIREMENT(WID)
81  );
82
83  -- =====
84  #DATA INSERTION - INSERTION STATEMENTS
85
86  #DETAILS ENTERED BY THE USER
87  insert into
88  User_Details(FNAME,LNAME,mobile_no,email_ID,DOB,CITY,DISTRICT,STATE,ABOUT,STATUS)
89  values('Karan','Shelke','9024564345','Karan@gmail.com','98-07-12','Kalamboli','Raigad','M
90  aharashtra','Im plumber and also driver','online'),
91  ('Vishal','Yadav','9023456435','vISHAL@gmail.com','90-02-16','Panvel','Raigad','Maharash
92  tra','Im a painter','online'),
93  ('Rahul','Yadav','9023456434','Rahul@gmail.com','88-07-02','Vashi','Navi
94  Mumbai','Maharashtra','Im a driver','online'),
95  ('Narayan','Deshmukh','8023464345','Narayan@gmail.com','85-02-4','Nerul','Navi
96  Mumbai','Maharashtra','Im a cook','online'),
97  ('Shubham','Jaiswal','7803454345','Shubham@gmail.com','87-4-12','Vashi','Navi
98  Mumbai','Maharashtra','Im a mason','online'),
99  ('Karan','Singh','8023456434','KaranS@gmail.com','94-4-23','Kalamboli','Raigad','Maharash
100  tra','Im a welder','online'),
101  ('Rahul','Bhosale','8023564345','Rahul@gmail.com','96-07-16','Kharghar','Navi
102  Mumbai','Maharashtra','Im a carpenter','online'),
103  ('Dinesh','Rathod','9023454645','Dinesh@gmail.com','89-06-24','Uran','Navi
104  Mumbai','Maharashtra','Im a barber','online'),
105  ('Sachin','Pathak','9923456434','Sachin@gmail.com','84-03-12','Uran','Navi
106  Mumbai','Maharashtra','Im a dog walker','online'),
107  ('Pranit','Jagtap','9823564345','pranit@gmail.com','94-08-04','Kalamboli','Raigad','Mahar
108  ashtra','Im a pandit','online');
109
110  SELECT * FROM USER_DETAILS;
111
112  -- =====
113  #DETAILED ENTERED BY THE USER we will insert this ADDSKILL PROCEDURE OR WITH INSERT
114  STATEMENT
115  insert into SKILL_DATA(USER_ID,SID) values
116  (1,1),
117  (1,2),
118  (2,12),
119  (3,12),
120  (4,9),
121  (5,4),
122  (6,10),
123  (7,11),
124  (8,6),
125  (9,13),
126  (10,17);
127
128  SELECT * FROM SKILL_DATA;
129
130  -- =====
131  insert into SKILL values
132  (0,'client'),
133  (1,'plumber'),
134  (2,'driver'),
135  (3,'electrician'),
136  (4,'mason'),
137  (5,'helper'),

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127 (6,'barber'),
128 (7,'make_up_artist'),
129 (8,'cleaner'),
130 (9,'cook'),
131 (10,'welder'),
132 (11,'carpenter'),
133 (12,'painter'),
134 (13,'dog walker'),
135 (14,'pet care taker'),
136 (15,'tv repaid'),
137 (16,'mob repair'),
138 (17,'pandit'),
139 (18,'gardner'),
140 (19,'security guard'),
141 (20,'waiter'),
142 (21,'tailor'),
143 (22,'photographer'),
144 (23,'mechanic'),
145 (24,'Drilling'),
146 (25,'maid');
147
148 SELECT * FROM SKILL;
149 -- =====
150 #When user post requirement at that time
151 insert into
152 REQUIREMENT(USER_ID,SKILLS_REQ,JOB_DESC,POST_DATE,WORK_DATE,REWARD,CITY,DISTRICT,STATE,STATUS) values
153 ('2','Plumber','Have to do pipe fitting and tap adjustment
154 work',CURDATE(),adddate(CURDATE(),1),'500','Panvel','Raigad','Maharashtra','ACTIVE'),
155 ('3','Mason','wall
156 construction',date(CURDATE()),adddate(CURDATE(),1),'600','Vashi','Navi
157 Mumbai','Maharashtra','ACTIVE'),
158 ('4','pandit','New Home Pooja',CURDATE(),CURDATE()
159 ,null,'Nerul','Raigad','Maharashtra','CLOSED'),
160 ('5','carpenter','Wood cutting process for 2
161 hrs',CURDATE(),CURDATE(),'600','Vashi','Navi Mumbai','Maharashtra','CLOSED'),
162 ('6','Painter','Painting work of my room',CURDATE()
163 ,adddate(CURDATE(),3),'400','Kalamboli','Navi Mumbai','Maharashtra','ACTIVE');
164
165 -- =====
166 insert into WORK_HISTORY values
167 ('3','10','5','PAID'),
168 ('4','7','4.5','PAID');
169
170 select * from WORK_HISTORY;
171
172 -- =====
173 #PROCEDURE 1 - creates new user
174
175 DELIMITER //
176 create procedure new_user(FNAME varchar(10), LNAME varchar(10), mobile_no char(13),
177 email_ID char(25), DOB date, CITY char(20), DISTRICT char(15), STATE char(15), ABOUT
178 varchar(100),STATUS char(10))
179 BEGIN
180     insert into
181     user_Details(FNAME,LNAME,mobile_no,email_ID,DOB,CITY,DISTRICT,STATE,ABOUT,STATUS)
182     values (FNAME,LNAME,mobile_no,email_ID,DOB,CITY,DISTRICT,STATE,ABOUT,STATUS);
183 END; //
184 DELIMITER ;
185
186 call
187 new_user('Rohan','Shinde','9823665345','Rohan@gmail.com','96-06-22','Kalamboli','Raigad',
188 'Maharashtra','Im painter','online');
189
190 select * from User_Details;
191 -- =====
192 #TRIGEGR 1 which calculates age and joining date on insertion of new user details
193

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182 delimiter //
183 create trigger age_joining_date
184 before insert
185 on user_Details for each row
186 begin
187     set new.age = year(CURRENT_DATE()) - year(new.DOB);
188     set new.SITE_JOINING_DATE = CURRENT_DATE();
189 end; //
190 delimiter ;
191
192 -- =====
193 #Procedure 2 - When user is created if he add his skills then we can use below
194 procedure to update the table
195
196 delimiter //
197 create procedure addSkillId(USER_ID int, ID int)
198 begin
199     insert into skill_data values(user_id, ID);
200 end; //
201 delimiter ;
202
203 call addSkillId(11,12);
204
205 select * from skill_data;
206
207 -- =====
208 #Function 1 - When user get wordone then his total job will be updated with the blow
209 procedure
210
211 delimiter //
212 create function add_work(x int,y int,z int)
213 returns int
214 deterministic
215 begin
216     set x=(x+y)/z;
217     return x;
218 end; //
219 delimiter ;
220
221 #Procedure 3
222
223 delimiter //
224 create procedure skill_data1()
225 begin
226     declare x int;
227     declare y int;
228     declare z int;
229     declare a int;
230     declare b int;
231     set x= (select user_id from work_history where work_id= max( work_id));
232     set y= (select skill_id from work_history where work_id= max( work_id));
233     set z= (select rating from work_history where work_id= max( work_id));
234
235     update skill_data set total_work= total_work+1 where user_id=x and skill_id=y;
236
237     set a= (select total_rating from skill_data where user_id=x and skill_id=y);
238     set b= (select total_work from skill_data where user_id=x and skill_id=y);
239     set a= add_work(a,z,b);
240
241     update skill_data set total_rating=a where user_id=x and skill_id=y;
242 end; //
243 delimiter ;
244
245 -- =====
246
247 Show procedure status where db ="PROJECTWORK";
248 /*
249 projectwork addSkillId PROCEDURE Kiran@% 2022-05-24 10:47:21 2022-05-24 10:47:21
250 DEFINER utf8mb4 utf8mb4_0900_ai_ci utf8mb4_0900_ai_ci

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248 projectwork new_user      PROCEDURE      Kiran@% 2022-05-24 10:26:03 2022-05-24 10:26:03
DEFINER      utf8mb4 utf8mb4_0900_ai_ci  utf8mb4_0900_ai_ci
249 projectwork skill_data1 PROCEDURE      Kiran@% 2022-05-24 10:30:44 2022-05-24 10:30:44
DEFINER      utf8mb4 utf8mb4_0900_ai_ci  utf8mb4_0900_ai_ci
250 */
251
252 Show function status where db ="PROJECTWORK";
253 /*
254 projectwork add_work      FUNCTION      Kiran@% 2022-05-24 10:30:25 2022-05-24 10:30:25
DEFINER      utf8mb4 utf8mb4_0900_ai_ci  utf8mb4_0900_ai_ci
255 */
256
257 -- =====
258 #QUERIES ON ABOVE TABLES
259
260 #to find the user from particular location with his skill
261 select concat(fname,' ',lname) as 'ename',mobile_no 'Contact',City, skill from
user_Details,SKILL_DATA,SKILL
262     where CITY = 'Kalamboli'
263     and SKILL.sid = skill_data.sid
264     and user_details.user_id = skill_data.user_id
265     order by 1;
266
267 /*
268 Karan Shelke      9024564345  Kalamboli  plumber
269 Karan Shelke      9024564345  Kalamboli  driver
270 Karan Singh       8023456434  Kalamboli  barber
271 Pranit Jagtap     9823564345  Kalamboli  welder
272 */
273
274 -- =====
275 #To check the skill's of particular user
276 select concat(fname,' ',lname) as "Freelancer", skill from user_Details,skill_data,skill
277 where user_Details.user_id = skill_data.user_id and skill_data.sid = skill.sid;
278 /*
279 Karan Shelke      plumber
280 Karan Shelke      driver
281 Vishal Yadav      painter
282 Rahul Yadav       painter
283 Narayan Deshmukh  cook
284 Shubham Jaiswal   mason
285 Karan Singh       welder
286 Rahul Bhosale     carpenter
287 Dinesh Rathod     barber
288 Sachin Pathak     dog walker
289 Pranit Jagtap     pandit
290 */
291
292 -- =====
293
294 #DISPLAY ENTIRE SKILL TABLE
295 select sid,skill from SKILL
296     order by sid;
297
298 -- =====
299
300 #QUERY TO FIND OUT THE ACTIVE JOBS
301 select * from REQUIREMENT
302     WHERE STATUS = 'ACTIVE';
303
304 -- =====
305
306 #AREA WISE ACTIVE JOB
307 SELECT SKILLS_REQ,CITY FROM REQUIREMENT
308     WHERE CITY = 'Vashi';
309 /*
310 Mason      Vashi
311 carpenter  Vashi
312 */

```

