



## AMERICAN INTERNATIONAL UNIVERSITY - BANGLADESH

INTRODUCTION TO DATABASE

FINAL-TERM PROJECT

Section: [G]

**Title: THE NEXT MORNING**

**Supervised By**

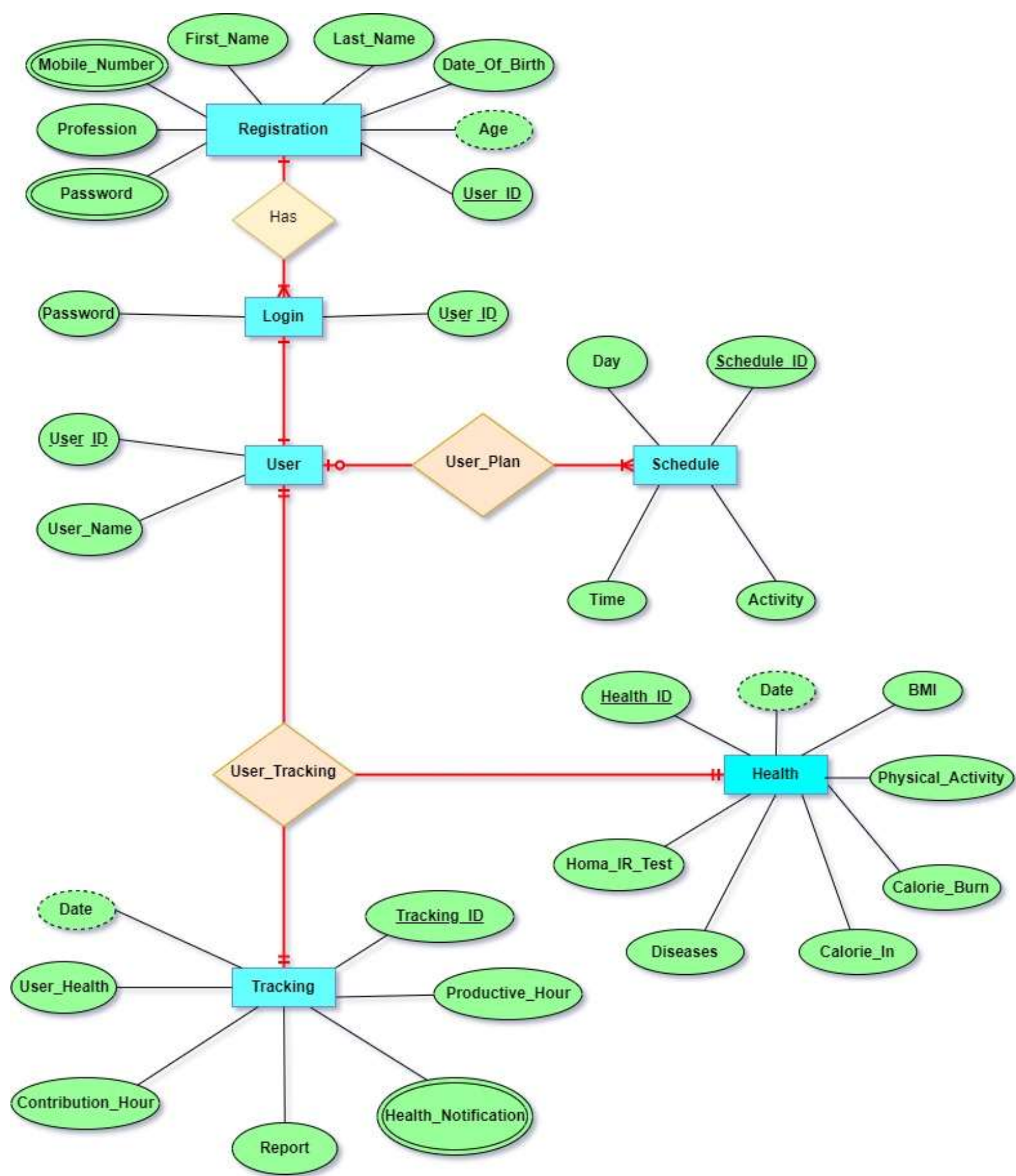
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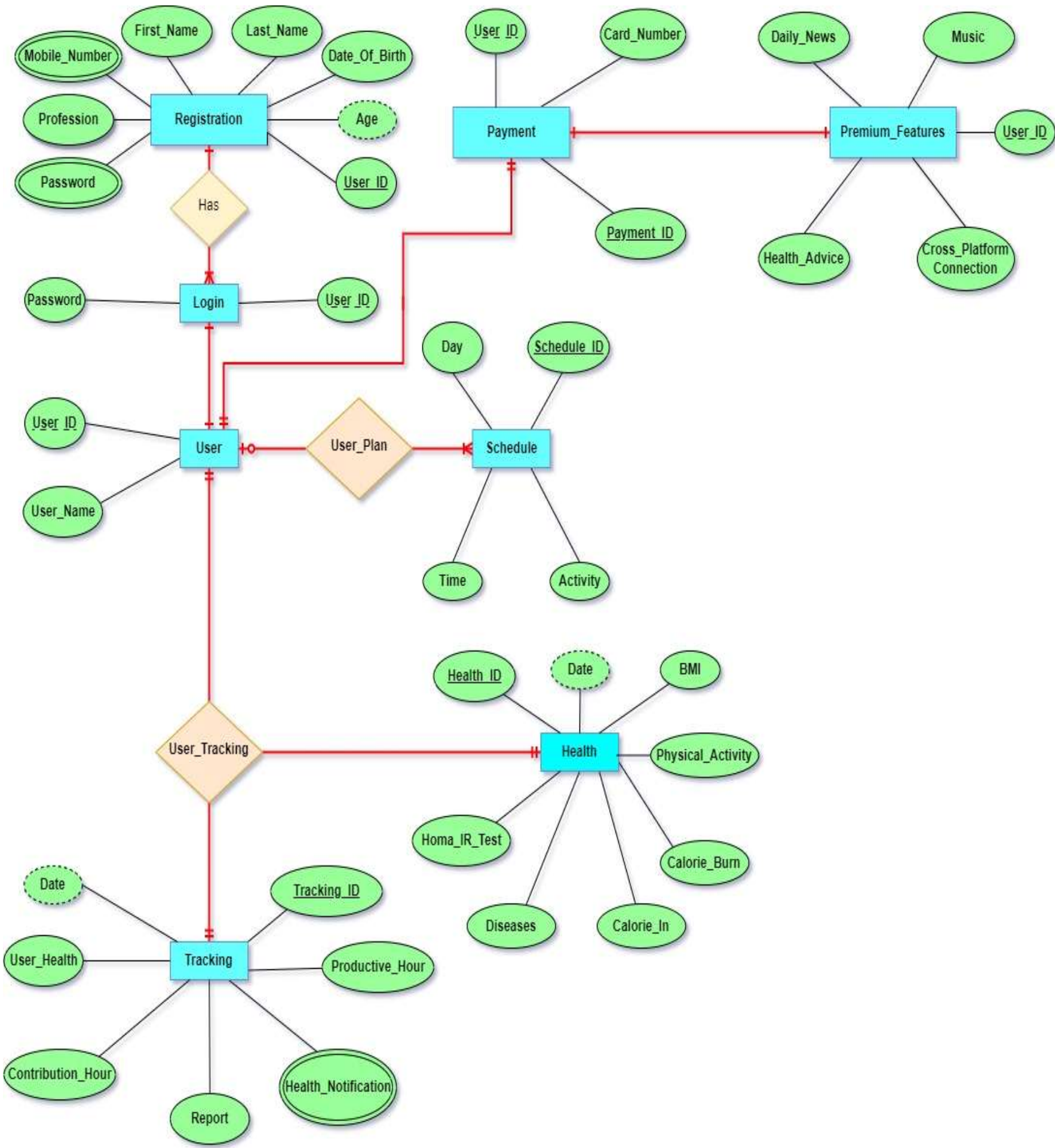
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**DATE: April 20.2022**

# ER diagram (Beta version)



# ER diagram (Update version)



## Known Flaws:

1. No health advice option for user
2. Many attributes have non user friendly.
3. Non user-friendly interface

## Update on known issues:

1. Added health advice for premium members.
2. Added helpful features.
3. Added monthly subscription plan.
4. User friendly interface.
5. Some features added for increasing their productivity and health care.
6. Reduced time complexity.

# THE NEXT MORNING

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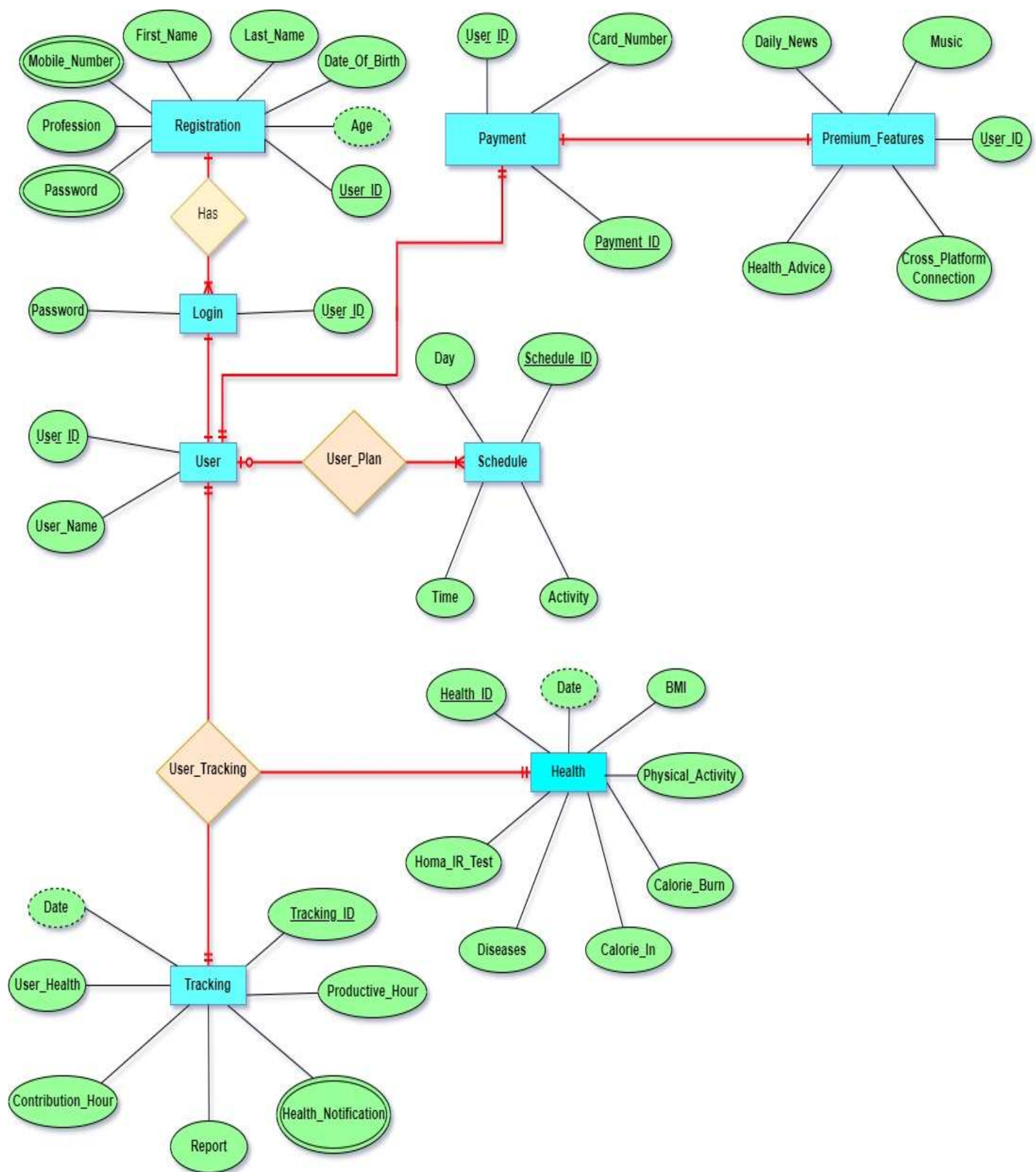
## **1.Case study**

It is a cloud-based task management application that allows users to manage their tasks from a smartphone, tablet and computer. It makes it easy to stay organized and manage your life. Daily tasks are simple with it, from grocery lists to housecleaning routines. In our professional life, being organized is crucial if you want to stay on top of your workload. It can help you to manage your tasks. You can use it as a daily planner or professional task manager, with the ability to set reminders and assign tasks to other users.

The system consists of entities each one with various attributes. Starting from the User, the User has two attributes. One is User\_ID and another one is User\_Name. Then the user can use the Login entity to access the app and if he doesn't have an account, he can go to the registration entity. The registration entity has password, profession, mobile number, First\_Name, Last\_Name, Date\_Of\_Birth, Age and User\_ID. The user can plan multiple schedules with the help of the scheduling entity. The scheduling entity has four attributes which are Day, Schedule\_ID, Time, and Activity. And the cloud-based app is always tracking the location of the user with the tracking entity. This tracking entity has Tracking\_ID, Productive\_hour, Health\_Notification, Report, Contribution\_Hour, User\_Health, and Date. The user can track their health condition by the health entity. The health entity has Health\_ID, Date, BMI, Physical\_Activity, Calories\_Burned, Calories\_IN, Disease, and Homa\_IR\_Test as attributes. Then there's a monthly subscription plan that will let the premium members access the premium features entity. They will pay through the payment entity that has User\_ID, Card\_Number, and Payment\_ID. Then they can use the premium features like Daily\_News, Music, Cross\_PlatformConnection, and health advice.



2.ER diagram



4. Normalization

TRACKING TABLE

All the Attributes are

TRACKING: (Tracking\_id, date\_, User\_Health, Health\_Notification, Contrubution\_Hour, Productive\_Hour, Report);

1nf: No Multi Valued Attributes

2nf: Tracking\_id, date\_, User\_Health, Health\_Notification, Contrubution\_Hour, Productive\_Hour, Report

Health-ID, date\_, BMI, CALORIE\_IN, CALORIE\_BURN, PHYCAL\_ACTIVITY\_HOUR, HOMA\_IR\_TEST, diseases

<u>Tracking ID</u>	<u>Health ID</u>	Contrubution_Hour	Productive_Hour
246567	21-985	18	5
321-9852	20-484	15	6
21-785	20-8494	12	7
216-65	24-6567	14	3
68-6454	29-8775	15	4

3nf: Tracking\_id, Contribution\_Hour,Productive\_Hour,BMI

Health-ID, date\_of\_birth, age

User\_id, first\_name, mobile\_number

<u>Tracking ID</u>	<u>Health ID</u>	<u>User ID</u>	Contrubution_Hour	Productive_Hour	BMI
246567	21-985	101	18	5	17.98
321-9852	20-484	102	15	6	20
21-785	20-8494	103	12	7	19
216-65	24-6567	104	14	3	22
68-6454	29-8775	105	15	4	23

Contribution_Hour	Productive_Hour	BMI
18	5	17.98
15	6	20
12	7	19
14	3	22
15	4	23

So Tables from TRACKING are : Tracking\_id, Contrubution\_Hour, Productive\_Hour,Health-ID, date, BMI, user\_id, first\_name, mobile\_number

<u>Tracking ID</u>	<u>Health ID</u>	<u>User ID</u>	Contrubution_Hour	Productive_Hour
246567	21-985	101	18	5
321-9852	20-484	102	15	6
21-785	20-8494	103	12	7
216-65	24-6567	104	14	3
68-6454	29-8775	105	15	4

Table creation with constraints

REGISTERED\_USER TABLE

```
CREATE TABLE Registered_user (  
user_id NUMBER(3) CONSTRAINT user_id_RU PRIMARY KEY,  
password_ VARCHAR(10) CONSTRAINT password_RU NOT NULL,  
first_name VARCHAR(20) CONSTRAINT first_name_RU NOT NULL,  
last_name VARCHAR(20) CONSTRAINT last_name_RU NOT NULL,  
date_of_birth DATE CONSTRAINT dob_RU NOT NULL,  
age NUMBER(3) CONSTRAINT ag_RU NOT NULL,  
mobile_number VARCHAR(14) CONSTRAINT mobile_number_RU NOT NULL,  
profession VARCHAR(10) CONSTRAINT profession_RU NOT NULL  
);
```

DESC Registered\_user;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
REGISTERED_USER	USER_ID	Number	-	3	0	1	-	-	-
	PASSWORD_	Varchar2	10	-	-	-	-	-	-
	FIRST_NAME	Varchar2	20	-	-	-	-	-	-
	LAST_NAME	Varchar2	20	-	-	-	-	-	-
	DATE OF BIRTH	Date	7	-	-	-	-	-	-
	AGE	Number	-	3	0	-	-	-	-
	MOBILE_NUMBER	Varchar2	14	-	-	-	-	-	-
	PROFESSION	Varchar2	10	-	-	-	-	-	-

i.

```
CREATE TABLE LOGIN(  
PASSWORD VARCHAR(20) CONSTRAINT PassLn not null,  
user_id NUMBER(3) CONSTRAINT FK_user_id_In REFERENCES Registered_user  
);
```

DESC LOGIN;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
LOGIN	PASSWORD_	Varchar2	20	-	-	-	-	-	-
	USER_ID	Number	-	3	0	-	✓	-	-
1 - 2									

iii.

```
CREATE TABLE Usr(  
usr_Name VARCHAR (20) CONSTRAINT usr_nm_UR NOT NULL,  
user_id NUMBER(3) CONSTRAINT FK_user_id_UR REFERENCES Registered_user  
);  
DESC USR;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>USR</u>	<u>USR_NAME</u>	Varchar2	20	-	-	-	-	-	-
	<u>USER_ID</u>	Number	-	3	0	-	✓	-	-
1 - 2									

ii.

```
CREATE TABLE Payment(
payment_id VARCHAR(10) CONSTRAINT Pay_id_py1 PRIMARY KEY,
Card_Number VARCHAR(10) CONSTRAINT Cad_num_py NOT NULL,
user_id NUMBER(3) CONSTRAINT FK_user_id_PY REFERENCES Registered_user
);
DESC Payment;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>PAYMENT</u>	<u>PAYMENT_ID</u>	Varchar2	10	-	-	1	-	-	-
	<u>CARD_NUMBER</u>	Varchar2	10	-	-	-	-	-	-
	<u>USER_ID</u>	Number	-	3	0	-	✓	-	-
1 - 3									

V.

```
CREATE TABLE Premium_Features(
Daily_News VARCHAR (50) CONSTRAINT dl_nws_PF PRIMARY KEY,
Music VARCHAR(50) CONSTRAINT M_PF NOT NULL,
Health_Advice VARCHAR(50) CONSTRAINT H_AD_PF NOT NULL,
Cross_platform_connection VARCHAR (30) CONSTRAINT C_P_C_PF NOT NULL,
user_id NUMBER(3) CONSTRAINT FK_user_id_PF REFERENCES Registered_user
);
DESC Premium_Features;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>PREMIUM_FEATURES</u>	<u>DAILY_NEWS</u>	Varchar2	50	-	-	1	-	-	-
	<u>MUSIC</u>	Varchar2	50	-	-	-	-	-	-
	<u>HEALTH_ADVICE</u>	Varchar2	50	-	-	-	-	-	-
	<u>CROSS_PLATFORM_CONNECTION</u>	Varchar2	30	-	-	-	-	-	-
	<u>USER_ID</u>	Number	-	3	0	-	✓	-	-
1 - 5									

vi. CREATE TABLE Schedule(

```
Schedule_ID VARCHAR(10) CONSTRAINT S_I_SE PRIMARY KEY,
date_ DATE CONSTRAINT dob_SE NOT NULL,
time VARCHAR(10) CONSTRAINT time_S_I_SE NOT NULL,
Activity VARCHAR (30) CONSTRAINT AC_SE NOT NULL
);
DESC Schedule;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>SCHEDULE</u>	<u>SCHEDULE_ID</u>	Varchar2	10	-	-	1	-	-	-
	<u>DATE_</u>	Date	7	-	-	-	-	-	-
	<u>TIME</u>	Varchar2	10	-	-	-	-	-	-
	<u>ACTIVITY</u>	Varchar2	30	-	-	-	-	-	-

VII.

```
CREATE TABLE Tracking(
Tracking_id VARCHAR(10) CONSTRAINT TR_TR PRIMARY KEY,
date_ DATE CONSTRAINT dob_TR NOT NULL,
User_Health VARCHAR (20) CONSTRAINT U_H_TR NOT NULL,
Health_Notification VARCHAR (50) CONSTRAINT H_C_TR NOT NULL,
```



Contrubution\_Hour VARCHAR(10) CONSTRAINT C\_H\_TR NOT NULL,  
Productive\_Hour VARCHAR (10) CONSTRAINT P\_H\_TR NOT NULL,  
Report VARCHAR (50) CONSTRAINT Rp\_TR NOT NULL  
);

DESC TRACKING;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRACKING	TRACKING_ID	Varchar2	10	-	-	1	-	-	-
	DATE	Date	7	-	-	-	-	-	-
	USER_HEALTH	Varchar2	20	-	-	-	-	-	-
	HEALTH_NOTIFICATION	Varchar2	50	-	-	-	-	-	-
	CONTRIBUTION_HOUR	Varchar2	10	-	-	-	-	-	-
	PRODUCTIVE_HOUR	Varchar2	10	-	-	-	-	-	-
	REPORT	Varchar2	50	-	-	-	-	-	-
									1 - 7

VIII.

CREATE TABLE HEALTH(  
HEALTH\_ID VARCHAR (10) CONSTRAINT H\_ID\_H PRIMARY KEY,  
date\_ DATE CONSTRAINT dob\_H NOT NULL,  
BMI VARCHAR (10) CONSTRAINT BMI\_H NOT NULL,  
CALORIE\_IN VARCHAR (10) CONSTRAINT C\_I\_H NOT NULL,  
CALORIE\_BURN VARCHAR (10) CONSTRAINT C\_B\_H NOT NULL,  
PHYCAL\_ACTIVITY\_HOUR VARCHAR (10) CONSTRAINT P\_A\_H\_H NOT NULL,  
HOMA\_IR\_TEST VARCHAR (10) CONSTRAINT H\_I\_T\_H NOT NULL,  
diseases VARCHAR(10) CONSTRAINT DS\_H NOT NULL  
);  
DESC HEALTH ;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
HEALTH	HEALTH_ID	Varchar2	10	-	-	1	-	-	-
	DATE	Date	7	-	-	-	-	-	-
	BMI	Varchar2	10	-	-	-	-	-	-
	CALORIE_IN	Varchar2	10	-	-	-	-	-	-
	CALORIE_BURN	Varchar2	10	-	-	-	-	-	-
	PHYCAL_ACTIVITY_HOUR	Varchar2	10	-	-	-	-	-	-
	HOMA_IR_TEST	Varchar2	10	-	-	-	-	-	-
	DISEASES	Varchar2	10	-	-	-	-	-	-
									1 - 8

Data insertion

INSERT INTO Registered\_user  
VALUES  
(101,'123','Arif','Aslam',to\_date('14-09-2000','dd-mm-yyyy'),22,'01788888','Driver')

INSERT INTO Registered\_user  
VALUES  
(102,'1234','Asif','Rahaman',to\_date('14-09-1990', 'dd-mm-yyyy'),32,'01754505','Doctor')

INSERT INTO Registered\_user  
VALUES  
(103,'164534','Alexa','Siri',to\_date('6-11-2014','dd-mm-yyyy'),8,'01788888','Student')

```
INSERT INTO Registered_user
VALUES
(104,'165341','David','Beckham',to_date('2-5-1975','dd-mm-yyyy'),47,'975675654','Footballer')
```

```
INSERT INTO Registered_user
VALUES
(105,'854645','Messi','Lionel',to_date('24-6-1987','dd-mm-yyyy'),35,'86462810','Footballer')
```

```
SELECT *
FROM Registered_user
```

USER_ID	PASSWORD_	FIRST_NAME	LAST_NAME	DATE_OF_BIR TH	AGE	MOBILE_NU MBER	PROFESSION
101	123	Arif	Aslam	14-SEP-00	22	01788888	Driver
102	1234	Asif	Rahaman	14-SEP-90	32	01754505	Doctor
103	164534	Alexa	Siri	06-NOV-14	8	01788888	Student
104	165341	David	Beckham	02-MAY-75	47	975675654	Footballer
105	854645	Messi	Lionel	24-JUN-87	35	86462810	Footballer

Login Table

```
INSERT INTO Login
VALUES
('123',101)
```

```
INSERT INTO Login
VALUES
('1234',102)
```

```
INSERT INTO Login
VALUES
('164534',103)
```

```
INSERT INTO Login
VALUES
('165341',104)
```

```
INSERT INTO Login
VALUES
('854645',105)
```

```
SELECT *
FROM LOGIN
```

PASSWORD	USER_ID
123	101
1234	102

164534	103
165341	104
854645	105

3

```
INSERT INTO USR
VALUES
('Arif Aslam',101)
```

```
INSERT INTO USR
VALUES
('Asif Rahaman',102)
```

```
INSERT INTO USR
VALUES
('Alexa Siri',103)
```

```
INSERT INTO USR
VALUES
('David Beckham',104)
```

```
INSERT INTO USR
VALUES
('Messi Lionel',105)
```

```
SELECT *
FROM USR
```

USR_NAME	USER_ID
Arif Aslam	101
Asif Rahaman	102
Alexa Siri	103
David Beckham	104
Messi Lionel	105

4

```
INSERT INTO PAYMENT
VALUES
('44-54523','ASRTR232',102)
```

```
INSERT INTO PAYMENT
VALUES
('34-65464','SFRT342436',104)
```

```
INSERT INTO PAYMENT
VALUES
('54-63445','RT4T567',105)
```

```
SELECT *
```

FROM PAYMENT

PAYMENT_ID	CARD_NUMBER	USER_ID
44-54523	ASRTR232	102
34-65464	SFRT342436	104
54-63445	RT4T567	105

5

INSERT INTO Premium\_Features

VALUES

('https://www.thedailystar.net/', 'https://www.spotify.com', 'https://www.apple.com/ios/health/', 'PC, WATCH, SMART-PHONE', 102)

INSERT INTO Premium\_Features

VALUES

('https://www.thedailystarS.net/', 'https://www.spotify.com/', 'https://www.apple.com/ios/health/', 'PC, WATCH, SMART-PHONE', 104)

INSERT INTO Premium\_Features

VALUES

('https://www.thedailystar.com/', 'https://www.spotify.NET', 'https://www.apple.com/ios/health', 'PC, WATCH, SMART-PHONE', 105)

SELECT \*

FROM Premium\_Features

DAILY_NEWS	MUSIC	HEALTH_ADVICE	CROSS_PLATFORM_CONNECTION	USER_ID
https://www.thedailystar.net/	https://www.spotify.com/	https://www.apple.com/ios/health/	PC, WATCH, SMART-PHONE	102
https://www.thedailystarS.net/	https://www.spotify.com/	https://www.apple.com/ios/health/	PC, WATCH, SMART-PHONE	104
https://www.thedailystar.com/	https://www.spotify.NET	https://www.apple.com/ios/health	PC, WATCH, SMART-PHONE	105

6

INSERT INTO schedule

VALUES

('246-695', to\_date('12-5-2020', 'dd-mm-yyyy'), '6.00 am', 'PRAYER')

INSERT INTO schedule

VALUES

('321-9852', to\_date('14-09-2021', 'dd-mm-yyyy'), '7.00 am', 'JOGGING')

INSERT INTO schedule

VALUES

('21-785', to\_date('15-12-2022', 'dd-mm-yyyy'), '12.00 pm', 'STUDY')

INSERT INTO schedule

VALUES

('216-65', to\_date('23-01-2021', 'dd-mm-yyyy'), '11.00 am', 'PLAY')

INSERT INTO schedule

VALUES

('68-8454', to\_date('7-09-2022', 'dd-mm-yyyy'), '2.00 pm', 'PLAY' )

SELECT \*



FROM schedule

SCHEDULE_ID	DATE_	TIME	ACTIVITY
246-695	12-MAY-20	6.00 am	PRAYER
321-9852	14-SEP-21	7.00 am	JOGGING
216-65	23-JAN-21	11.00 am	PLAY
68-8454	07-SEP-22	2.00 pm	PLAY
21-785	15-DEC-22	12.00 pm	STUDY

7

INSERT INTO TRACKING

VALUES

('246567',to\_date('12-5-2020','dd-mm-yyyy'),'NORMAL','https://www.samsung.com/apps/samsung-health/','18','5','https://www.samsung.com/apps/samsung-health/ABOUT/')

INSERT INTO TRACKING

VALUES

('321-9852',to\_date('14-09-2021','dd-mm-yyyy'),'GOOD','https://www.apple.com/ios/health/','15','6','https://www.apple.com/ios/health/ABOUT/')

INSERT INTO TRACKING

VALUES

('21-785',to\_date('15-12-2022','dd-mm-yyyy'),'NORMAL','https://www.samsung.com/apps/samsung-health/','12','7','https://www.samsung.com/apps/samsung-health/ABOUT/')

INSERT INTO TRACKING

VALUES

('216-65',to\_date('23-01-2021','dd-mm-yyyy'),'GOOD','https://www.apple.com/ios/health/','14','3','https://www.apple.com/ios/health/ABOUT/')

INSERT INTO TRACKING

VALUES

('68-8454',to\_date('7-09-2022','dd-mm-yyyy'),'GOOD','https://www.samsung.com/apps/samsung-health/','15','4','https://www.samsung.com/apps/samsung-health/ABOUT/')

SELECT \*

FROM TRACKING

TRACKING_ID	DATE_	USER_HEALTH	HEALTH_NOTIFICATION	CONTRUBUTION_HOUR	PRODUCTIVE_HOUR	REPORT
246567	12-MAY-20	NORMAL	https://www.samsung.com/apps/samsung-health/	18	5	https://www.samsung.com/apps/samsung-health/ABOUT/
321-9852	14-SEP-21	GOOD	https://www.apple.com/ios/health/	15	6	https://www.apple.com/ios/health/ABOUT/
21-785	15-DEC-22	NORMAL	https://www.samsung.com/apps/samsung-health/	12	7	https://www.samsung.com/apps/samsung-health/ABOUT/
216-65	23-JAN-21	GOOD	https://www.apple.com/ios/health/	14	3	https://www.apple.com/ios/health/ABOUT/
68-8454	07-SEP-22	GOOD	https://www.samsung.com/apps/samsung-health/	15	4	https://www.samsung.com/apps/samsung-health/ABOUT/

8

INSERT INTO HEALTH

VALUES

('21-985',to\_date('12-5-2020','dd-mm-yyyy'),'17.98','654','234','7','10','NONE')

INSERT INTO HEALTH

VALUES

('20-484',to\_date('12-5-2020','dd-mm-yyyy'),'20','235','90','6','6','NONE')

```
INSERT INTO HEALTH
VALUES
('20-8454',to_date('12-5-2020','dd-mm-yyyy'),'19','565','120','9','7.5','NONE')
```

```
INSERT INTO HEALTH
VALUES
('24-6567',to_date('12-5-2020','dd-mm-yyyy'),'22','445','234','12','5','NONE')
```

```
INSERT INTO HEALTH
VALUES
('29-8775',to_date('12-5-2020','dd-mm-yyyy'),'23','796','523','11','5','NONE')
```

```
SELECT *
FROM HEALTH
```

HEALTH_ID	DATE	BMI	CALORIE_IN	CALORIE_BURN	PHYCAL_ACTIVITY_HOUR	HOMA_IR_TEST	DISEASES
21-985	12-MAY-20	17.98	654	234	7	10	NONE
20-484	12-MAY-20	20	235	90	6	6	NONE
20-8454	12-MAY-20	19	565	120	9	7.5	NONE
24-6567	12-MAY-20	22	445	234	12	5	NONE
29-8775	12-MAY-20	23	796	523	11	5	NONE

JOINING TABLE Registered\_user AND Payment

```
SELECT Registered_user.USER_ID,Registered_user.FIRST_NAME,Registered_user.LAST_NAME,
Registered_user.PROFESSION,Payment.Card_Number,Payment.payment_id
FROM Registered_user, Payment
WHERE Registered_user.USER_ID=Payment.USER_ID
```

USER_ID	FIRST_NAME	LAST_NAME	PROFESSION	CARD_NUMBER	PAYMENT_ID
102	Asif	Rahaman	Doctor	ASRTR232	44-54523
104	David	Beckham	Footballer	SFRT342436	34-65464
105	Messi	Lionel	Footballer	RT4T567	54-63445

▪ Sub-Query

```
SHOW ALL THE HEALTH_ID WHO’S BMI > 17.98
SELECT BMI, HEALTH_ID, DISEASES
FROM HEALTH
WHERE BMI > (SELECT BMI
              FROM HEALTH
              WHERE HEALTH_ID= '21-985'
              );
```

BMI	HEALTH_ID	DISEASES
20	20-484	NONE
19	20-8454	NONE
22	24-6567	NONE
23	29-8775	NONE

SUBQUERY MULTILEVEL

Sub-query (Group function):

```
SELECT user_id,FIRST_NAME,DATE_OF_BIRTH,PROFESSION
FROM Registered_user
WHERE AGE IN ( SELECT AVG( AGE)
               FROM Registered_user
              GROUP BY user_id);
```

USER_ID	FIRST_NAME	DATE_OF_BIRTH	PROFESSION
102	Asif	14-SEP-90	Doctor
101	Arif	14-SEP-00	Driver
104	David	02-MAY-75	Footballer
105	Messi	24-JUN-87	Footballer
103	Alexa	06-NOV-14	Student

```
SELECT user_id,FIRST_NAME,DATE_OF_BIRTH,PROFESSION
FROM Registered_user
WHERE AGE > ANY ( SELECT AVG( AGE)
                  FROM Registered_user
                 GROUP BY user_id);
```

USER_ID	FIRST_NAME	DATE_OF_BIRTH	PROFESSION
104	David	02-MAY-75	Footballer
105	Messi	24-JUN-87	Footballer
102	Asif	14-SEP-90	Doctor
101	Arif	14-SEP-00	Driver

(ALL) IS COMPARE HERE IN FOOTBALLER

```
SELECT user_id,FIRST_NAME,DATE_OF_BIRTH,PROFESSION
FROM Registered_user
WHERE AGE < ALL ( SELECT  AGE
                  FROM Registered_user
                 WHERE PROFESSION IN ('Footballer')
                );
```

USER_ID	FIRST_NAME	DATE_OF_BIRTH	PROFESSION
101	Arif	14-SEP-00	Driver
102	Asif	14-SEP-90	Doctor
103	Alexa	06-NOV-14	Student

▪ View

```
CREATE VIEW REGISTERED_USER_VIEW
AS SELECT USER_ID,FIRST_NAME,LAST_NAME,DATE_OF_BIRTH,PROFESSION
FROM Registered_user

SELECT*
FROM REGISTERED_USER_VIEW
```

USER_ID	FIRST_NAME	LAST_NAME	DATE_OF_BIRTH	PROFESSION
101	Arif	Aslam	14-SEP-00	Driver
102	Asif	Rahaman	14-SEP-90	Doctor
103	Alexa	Siri	06-NOV-14	Student
104	David	Beckham	02-MAY-75	Footballer
105	Messi	Lionel	24-JUN-87	Footballer

▪ Constraints

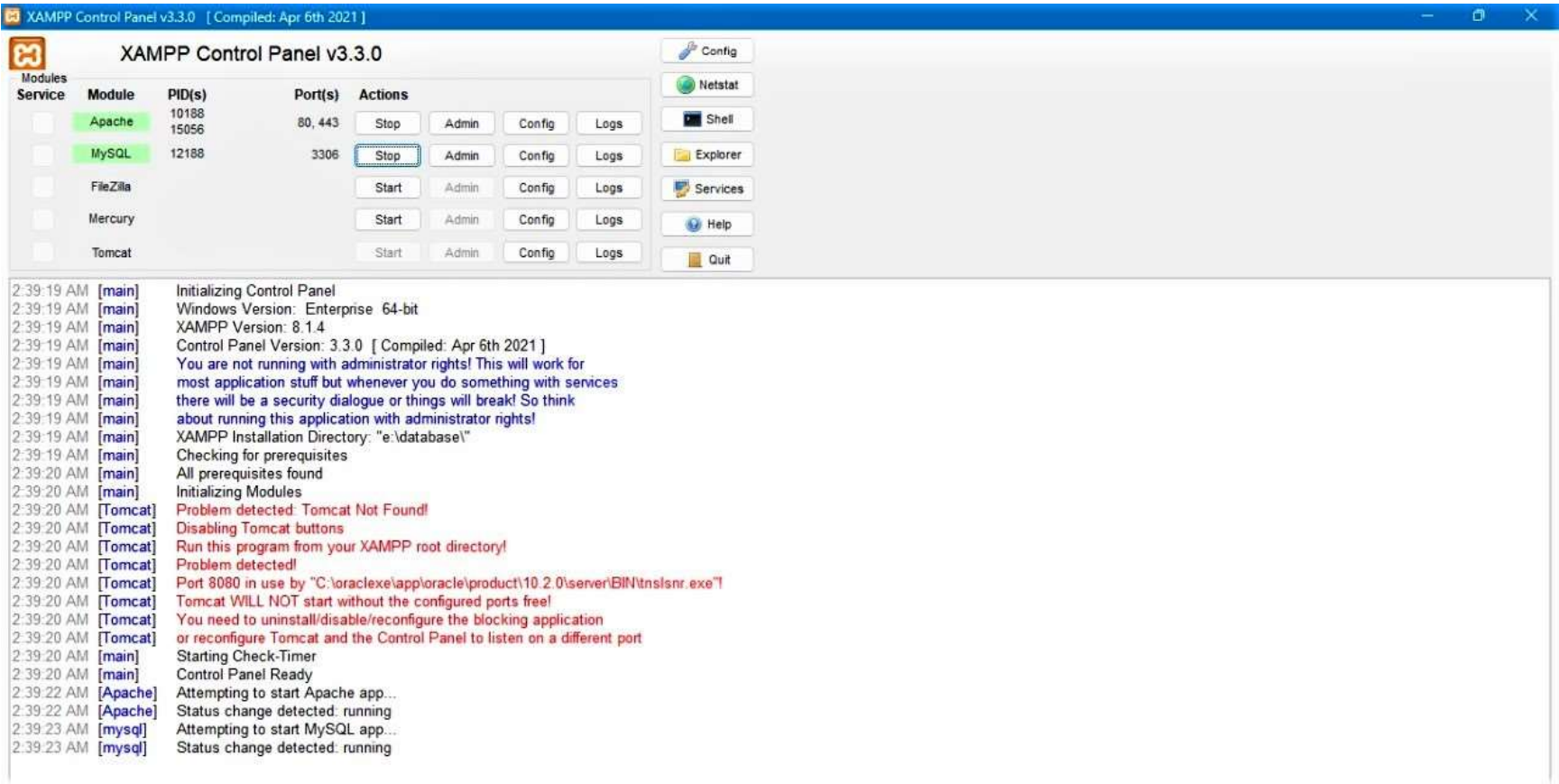
```
ALTER TABLE HEALTH
ADD CHECK (BMI>=15);
```

Table altered.

```
ALTER TABLE TRACKING
ADD CHECK (PRODUCTIVE_HOUR>=2);
```

Table altered.

7. Application





```
<? php
include('db.php');

?>

<html>

<head>

</head>

<body>

<form action="db.php" method="post" >

    <h1>Register</h1>

    <p>Please fill in this form to create an account.</p>

    <hr>

    <label ><b>User_Id</b></label>

    <input type="varchar" placeholder="Enter User ID" name="userid" >

    <br>

    <label><b>Password</b></label>

    <input type="varchar" placeholder="Enter Password" name="pws" >

    <br>

    <label for="fname"><b>First Name</b></label>

    <input type="varchar" placeholder="First Name" name="fname" >

    <br>

    <label for="lname"><b>Last Name</b></label>

    <input type="varchar" placeholder="Enter Last name" name="lname">

    <br>

    <label for="dob"><b>Date of Birth</b></label>

    <input type="varchar" placeholder="Enter Date of Birth" name="dob" >

    <br>

    <label for="age"><b>Age</b></label>

    <input type="varchar" placeholder="Enter Age" name="age" >

    <br>

    <label for="Mnumber"><b>Mobile Number </b></label>

    <input type="varchar" placeholder="Enter Mobile Number" name="Mnumber" ]>

    <br>

    <label for="pror"><b>Profession </b></label>

    <input type="varchar" placeholder="Enter Profession" name="pror">

    <br>

    <hr>

    <p>By creating an account you agree to our <a href="#">Terms & Privacy</a>.</p>

    <input type="submit" name="submit" value="submit">

</div>

<div class="container signin">

    <p>Already have an account? <a href="#">Sign in</a>.</p>

</div>
```

</form>

</body>

</html>

localhost/TheNextMorning/

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☆

New tab

Pencil2D 0.6.6 | 2D...

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Home | AIUB

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# Register

Please fill in this form to create an account.

User\_Id

Enter User ID

Password

Enter Password

First Name

First Name

Last Name

Enter Last name

Date of Birth

Enter Date of Birth

Age

Enter Age

Mobile Number

Enter Mobile Number

Profession

Enter Profession

By creating an account you agree to our [Terms & Privacy](#).

submit

Already have an account? [Sign in](#).

<?php

```
$connect = mysqli_connect("localhost","root","","regation1");

if(isset($_POST['submit'])) {
    $userid = $_POST['userid'];
    $pws = $_POST['pws'];
    $fname = $_POST['fname'];
    $lname = $_POST['lname'];
    $dob = $_POST['dob'];
    $age = $_POST['age'];
    $Mnumber = $_POST['Mnumber'];
    $pror = $_POST['pror'];

    $query = "INSERT INTO users(User_Id,Password,First_Name,Last_Name,Date_of_Birth,Age,Mobile_Number,Profession)
VALUES('$userid','$pws','$fname','$lname','$dob','$age','$Mnumber','$pror')";

    $result=mysqli_query($connect,$query);

    if($result)
    {

        echo "<script>javascript: alert('Register done')</script>";

    }
    else{
        echo "<script>javascript: alert('Error Occured')</script>";
    }
}

?>
```

BrowseStructureSQLSearchInsertExportImportPrivilegesOperationsTrackingTriggers

Showing rows 0 - 1 (2 total, Query took 0.0016 seconds.)

SELECT \* FROM `users`

Profiling[Edit inline][Edit][Explain SQL][Create PHP code][Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

↩

↪

|                          | User_Id | Password | First_Name | Last_Name   | Date_Of_Birth | Age      | Mobile_Number | Profession |    |             |          |
|--------------------------|---------|----------|------------|-------------|---------------|----------|---------------|------------|----|-------------|----------|
| <input type="checkbox"/> | Edit    | Copy     | Delete     | 21-45016-2  | 1234          | Mahmudul | Shakir        | 234        | 23 | 01843949530 | stu      |
| <input type="checkbox"/> | Edit    | Copy     | Delete     | 21-563536-3 | 3q3q73        | Radowan  | 123           | u833       | 19 | 01843949530 | cute boy |

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☐ Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Bookmark this SQL query

Console

☐ Let every user access this bookmark

