

19EAC312-Data Base Management Systems Lab Mini Project Report 2023-2024 Even Semester

Gym Management System

Name of all students:

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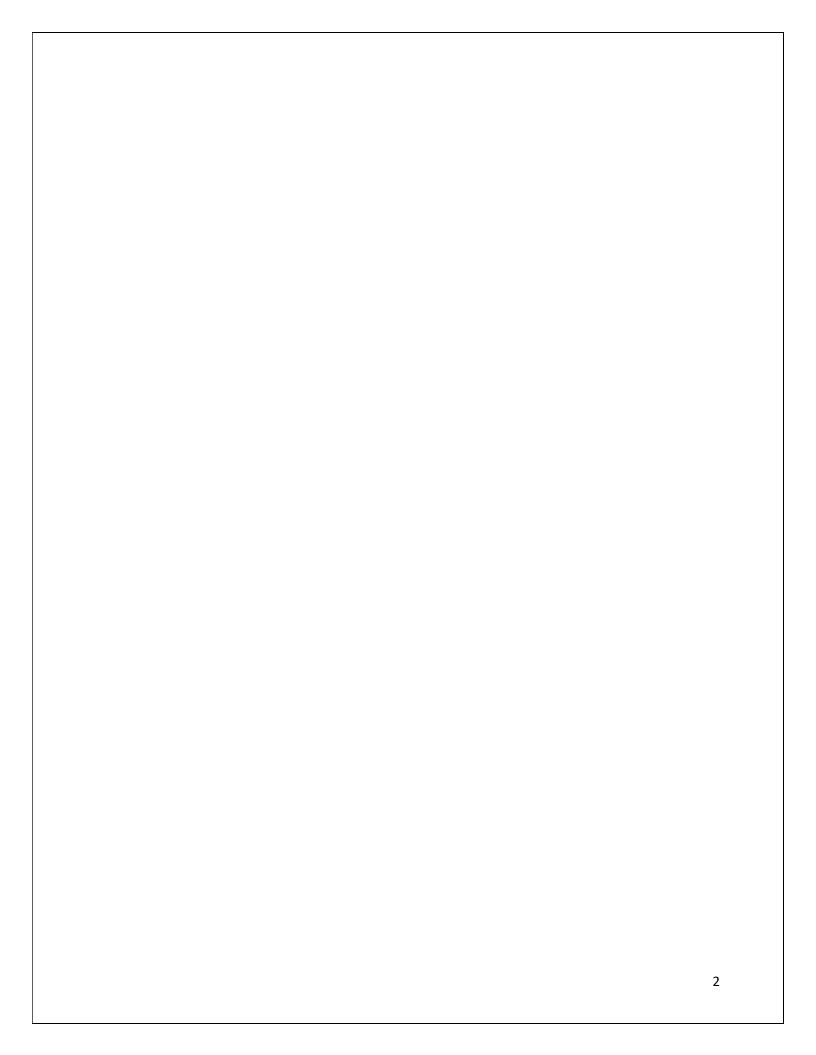
Semester: 6th Sem

Branch: EAC

Batch No: 17

Signature of the students:

Date: 8-5-2024



Aim: To develop a gym management system in Oracle Database that efficiently organizes member data, schedules class, manages equipment, and handles payments, enhancing operational efficiency and improving member experience.

Tools required: Oracle 10g Express Edition

Program:

```
CREATE TABLE "CREDENTIALS"
                                             "PLAN PRICE" NUMBER NOT
     "USER ID" VARCHAR2(15) NOT
                                        NULL,
                                             "PLAN SESSIONSPERWEEK"
NULL ENABLE,
     "PASSWORD" VARCHAR2(10) NOT
                                        NUMBER NOT NULL,
NULL ENABLE,
                                             "PLAN DESCRIPTION"
      CONSTRAINT "CREDENTIALS PK"
                                        VARCHAR2(25),
PRIMARY KEY ("USER ID") )
                                              CONSTRAINT "PLANS PK"
                                        PRIMARY KEY ("PLAN_ID")
CREATE TABLE "CUSTOMER"
                                         )
     "CUSTOMER ID" NUMBER NOT
                                        CREATE TABLE "AUTHENTICATION"
NULL ENABLE,
     "USER ID" VARCHAR2(15) NOT
                                             "ADMIN ID" NUMBER NOT NULL,
                                             "ADMIN PASSWORD"
NULL ENABLE,
     "CUSTOMER NAME"
                                        VARCHAR2(10) NOT NULL,
VARCHAR2(50),
                                              CONSTRAINT
     "CUSTOMER GENDER"
                                        "AUTHENTICATION PK" PRIMARY KEY
VARCHAR2(10),
                                        ("ADMIN ID")
     "CUSTOMER EMAIL"
VARCHAR2(30),
     "CUSTOMER ADDRESS"
                                        CREATE TABLE "TIME SLOT"
                                             "TIMESLOT ID" NUMBER NOT
VARCHAR2(4000),
     "CUSTOMER DOB" DATE,
                                        NULL,
     "CUSTOMER MOBILENO"
                                             "DAY" VARCHAR2(20) NOT NULL,
                                             "START TIME" TIMESTAMP (6),
NUMBER,
     "CUSTOMER AADHARNO"
                                             "END TIME" TIMESTAMP (6),
                                              CONSTRAINT "TIME SLOT PK"
VARCHAR2(15),
      CONSTRAINT "CUSTOMER PK"
                                        PRIMARY KEY ("TIMESLOT ID") )
PRIMARY KEY "CUSTOMER ID"),
      CONSTRAINT "CUSTOMER FK"
                                        CREATE TABLE "EQUIPMENT"
FOREIGN KEY ("USER ID")
                                             "EQUIPMENT ID" NUMBER NOT
                                        NULL ENABLE,
      REFERENCES "CREDENTIALS"
                                             "EQUIPMENT NAME"
("USER ID") )
                                        VARCHAR2(40),
CREATE TABLE "PLANS"
                                             "QUANTITY" NUMBER,
                                             "WORKING COUNT" NUMBER,
     "PLAN ID" NUMBER NOT NULL,
     "PLAN NAME" VARCHAR2(20)
                                             "NOTWORKING COUNT"
NOT NULL,
                                        NUMBER,
     "PLAN DURATION" NUMBER NOT
                                             "USE" VARCHAR2(100),
NULL,
```

CONSTRAINT "EQUIPMENT_PK"	CONSTRAINT "TRAINER_FK"
PRIMARY KEY ("EQUIPMENT ID")	FOREIGN KEY ("ADMIN ID")
)	REFERENCES
,	"AUTHENTICATION" ("ADMIN ID"))
CREATE TABLE "MEMBERSHIP"	11011121111011 (112111111_12))
("MEMBERSHIP ID" NUMBER NOT	CREATE TABLE "PAYMENT"
NULL,	("PAYMENT_ID" NUMBER NOT
"CUSTOMER ID" NUMBER NOT	NULL,
NULL,	
	"MEMBERSHIP_ID" NUMBER NOT NULL,
"PLAN_ID" NUMBER NOT NULL,	· ·
"START_DATE" DATE,	"CUSTOMER_ID" NUMBER NOT
"END_DATE" DATE,	NULL,
"DETAILS" VARCHAR2(40),	"AMOUNT" NUMBER NOT NULL,
"STATUS" VARCHAR2(40),	"METHOD" VARCHAR2(40),
"PAYMENT_ID" NUMBER,	"TRANSACTION_ID"
CONSTRAINT "MEMBERSHIP_PK"	VARCHAR2(30) NOT NULL,
PRIMARY KEY ("MEMBERSHIP_ID"),	"STATUS" VARCHAR2(10),
CONSTRAINT "MEMBERSHIP_FK"	"INVOICE_NO" VARCHAR2(20)
FOREIGN KEY ("CUSTOMER_ID")	NOT NULL,
REFERENCES "CUSTOMER"	"TYPE" VARCHAR2(4000),
("CUSTOMER_ID"),	CONSTRAINT "PAYMENT_PK"
CONSTRAINT	PRIMARY KEY ("PAYMENT_ID"),
"MEMBERSHIP_FK2" FOREIGN KEY	CONSTRAINT "PAYMENT_FK"
("PLAN ID")	FOREIGN KEY ("MEMBERSHIP ID")
REFERENCES "PLANS"	REFERENCES "MEMBERSHIP"
("PLAN ID"),	("MEMBERSHIP ID"),
FOREIGN KEY ("PAYMENT ID")	CONSTRAINT "PAYMENT FK2"
REFERENCES "PAYMENT"	FOREIGN KEY ("CUSTOMER ID")
("PAYMENT ID"))	REFERENCES "CUSTOMER"
(,))	("CUSTOMER ID"))
CREATE TABLE "TRAINER"	(
("TRAINER ID" NUMBER NOT	CREATE TABLE "ATTENDANCE"
NULL,	("ATTENDANCE ID" NUMBER NOT
"ADMIN ID" NUMBER NOT NULL,	NULL,
"TRAINER NAME" VARCHAR2(40),	"CUSTOMER_ID" NUMBER NOT
"TRAINER GENDER"	NULL,
<u>—</u>	· ·
VARCHAR2(10),	"MEMBERSHIP_ID" NUMBER NOT NULL,
"TRAINER_SPECIALIZATION" NARCHAR2(40)	
VARCHAR2(40),	"ATTENDANCE_DATE" DATE,
"TRAINER_EMAIL"	"ATTENDANCE_STATUS"
VARCHAR2(40),	VARCHAR2(40),
"TRAINER_DOB" DATE,	CONSTRAINT "ATTENDANCE_PK"
"TRAINER_MOBILENO" NUMBER,	PRIMARY KEY ("ATTENDANCE_ID"),
"TRAINER_AADHARNO" NUMBER,	CONSTRAINT "ATTENDANCE_FK"
"TRAINER_SALARY" NUMBER,	FOREIGN KEY ("CUSTOMER_ID")
CONSTRAINT "TRAINER_PK"	REFERENCES "CUSTOMER"
PRIMARY KEY ("TRAINER_ID") ENABLE,	("CUSTOMER_ID"),

CONSTRAINT	("FEEDBACK_ID" NUMBER NOT
"ATTENDANCE FK2" FOREIGN KEY	NULL,
("MEMBERSHIP ID")	"CUSTOMER ID" NUMBER NOT
REFERENCES "MEMBERSHIP"	NULL,
("MEMBERSHIP ID"))	"RATING" NUMBER(2,10),
(WEWDERSTIII_ID))	"FEEDBACK DESCRIPTION"
CREATE TABLE "PRESENCE"	<u>–</u>
	VARCHAR2(100),
("PRESENCE_ID" NUMBER NOT	CONSTRAINT "FEEDBACK_PK"
NULL,	PRIMARY KEY ("FEEDBACK_ID"),
"TRAINER_ID" NUMBER NOT	CONSTRAINT "FEEDBACK_FK"
NULL,	FOREIGN KEY ("CUSTOMER_ID")
"PRESENCE_DATE" DATE NOT	REFERENCES "CUSTOMER"
NULL,	("CUSTOMER_ID"))
"PRESENCE_STATUS"	
VARCHAR2(40),	CREATE TABLE "ORDER_DETAILS"
"LOGIN TIME" TIMESTAMP (6),	("ORDER ID" NUMBER NOT NULL,
"LOGOUT TIME" TIMESTAMP (6),	"CUSTOMER ID" NUMBER NOT
CONSTRAINT "PRESENCE PK"	NULL,
PRIMARY KEY ("PRESENCE ID"),	"PAYMENT ID" NUMBER NOT
CONSTRAINT "PRESENCE FK"	NULL,
FOREIGN KEY ("TRAINER ID")	"ITEMS" VARCHAR2(400),
REFERENCES "TRAINER"	"ORDER DATE" DATE,
("TRAINER_ID"))	"DELIVERY DATE,
(TRAINER_ID))	-
CDEATE TABLE HANTIDOROMETRICON	"DELIVER_STATUS"
CREATE TABLE "ANTHROPOMETRICS"	VARCHAR2(40),
("ANTHROPOMETRIC_ID" NUMBER	CONSTRAINT
NOT NULL,	"ORDER_DETAILS_PK" PRIMARY KEY
"CUSTOMER_ID" NUMBER NOT	("ORDER_ID"),
NULL,	CONSTRAINT
"ANTHROPOMETRICS_DATE"	"ORDER_DETAILS_FK" FOREIGN KEY
DATE,	("CUSTOMER_ID")
"WEIGHT" NUMBER(2,10),	REFERENCES "CUSTOMER"
"HEIGHT" NUMBER(2,10),	("CUSTOMER ID"),
"WAIST LENGTH" NUMBER(2,10),	CONSTRAINT
"HIP LENGTH" NUMBER(2,10),	"ORDER DETAILS FK2" FOREIGN KEY
"BICEP LENGTH" NUMBER(2,10),	("PAYMENT ID")
"CHEST LENGTH" NUMBER(2,10),	REFERENCES "PAYMENT"
CONSTRAINT	("PAYMENT ID"))
"ANTHROPOMETRICS PK" PRIMARY KEY	(
("ANTHROPOMETRIC ID"),	CREATE TABLE "SCHEDULE"
CONSTRAINT	
	("SCHEDULE_ID" NUMBER NOT
"ANTHROPOMETRICS_FK" FOREIGN KEY	NULL,
("CUSTOMER_ID")	"CUSTOMER_ID" NUMBER NOT
REFERENCES "CUSTOMER"	NULL,
("CUSTOMER_ID"))	"TRAINER_ID" NUMBER NOT
	NULL,
CREATE TABLE "FEEDBACK"	

"EXPENSE TYPE" VARCHAR2(40), "TIMESLOT ID" NUMBER NOT NULL, "EXPENSE DATE" DATE, "SCHEDULE DAY" VARCHAR2(40), "EXPENSE AMOUNT" NUMBER, CONSTRAINT "SCHEDULE PK" "EXPENSE METHOD" PRIMARY KEY ("SCHEDULE ID"), VARCHAR2(40), CONSTRAINT "SCHEDULE FK" "EXPENSE STATUS" FOREIGN KEY ("CUSTOMER ID") VARCHAR2(40), REFERENCES "CUSTOMER" "TRANSACTION_ID" NUMBER, ("CUSTOMER ID"), CONSTRAINT "EXPENSES PK" CONSTRAINT "SCHEDULE FK2" PRIMARY KEY ("EXPENSE ID"), FOREIGN KEY ("TRAINER ID") CONSTRAINT "EXPENSES FK" REFERENCES "TRAINER" FOREIGN KEY ("TRAINER ID") REFERENCES "TRAINER" ("TRAINER ID"), CONSTRAINT "SCHEDULE_FK3" ("TRAINER ID"), FOREIGN KEY ("TIMESLOT ID") CONSTRAINT "EXPENSES FK2" REFERENCES "TIME SLOT" FOREIGN KEY ("MAINTENANCE ID") ("TIMESLOT ID")) REFERENCES "EQUIPMENT MAINTENANCE" ("MAINTENANCE ID")) CREATE TABLE "EQUIPMENT MAINTENANCE" Query on Trainer Details For User: select "TRAINER"."TRAINER ID" as "MAINTENANCE ID" NUMBER NOT NULL, "TRAINER ID", "EQUIPMENT ID" NUMBER NOT "TRAINER"."ADMIN ID" as NULL, "ADMIN ID", "MAINTENANCE_DATE" DATE, "TRAINER"."TRAINER_NAME" as "MAINTENANCE TYPE" "TRAINER NAME", VARCHAR2(40), "TRAINER"."TRAINER GENDER" "MAINTENANCE DETAILS" as "TRAINER GENDER", VARCHAR2(40), TRAINER"."TRAINER SPECIALIZATION" "EXPENSE_ID" NUMBER, as "TRAINER SPECIALIZATION", "TRAINER"."TRAINER EMAIL" as **CONSTRAINT** "EQUIPMENT MAINTENANCE PK" "TRAINER EMAIL", "TRAINER"."TRAINER_MOBILENO" as PRIMARY KEY ("MAINTENANCE ID"), CONSTRAINT "TRAINER MOBILENO" "TRAINER" "TRAINER" "EQUIPMENT MAINTENANCE FK" FOREIGN KEY ("EQUIPMENT ID") REFERENCES "EQUIPMENT" Query for Trainer-Timeslot-Trainer Mapping: select "CUSTOMER"."CUSTOMER ID" as ("EQUIPMENT ID"), FOREIGN KEY ("EXPENSE ID") "CUSTOMER ID", REFERENCES "EXPENSES" "CUSTOMER"."CUSTOMER NAME" as "CUSTOMER NAME", ("EXPENSE ID")) "TRAINER"."TRAINER_NAME" as CREATE TABLE "EXPENSES" "TRAINER NAME", "TRAINER"."TRAINER ID" as "EXPENSE ID" NUMBER NOT NULL, "TRAINER ID", "TRAINER ID" NUMBER, "SCHEDULE"."TIMESLOT ID" as

"TIMESLOT ID",

"MAINTENANCE ID" NUMBER,

```
"TIME SLOT"."DAY" as "DAY"
                                                 and
from
       "SCHEDULE" "SCHEDULE",
                                                 "SCHEDULE"."TIMESLOT ID"="TIME SLO
       "TRAINER" "TRAINER",
                                                 T"."TIMESLOT ID"
       "TIME SLOT" "TIME SLOT",
       "CUSTOMER" "CUSTOMER"
                                                 "SCHEDULE"."TRAINER ID"="TRAINER"."
                                                TRAINER ID"
where
"CUSTOMER"."CUSTOMER ID"="SCHEDU
LE"."CUSTOMER ID"
HTML Codes:
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Gym Management System</title>
</head>
<body>
  <img src="https://tse2.mm.bing.net/th/id/OIG2.B52aolxWNv2MMQ.JBUxx?pid=ImgGn"</pre>
width="300" height="300">
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Gym Management System</title>
</head>
<body>
 <h1>This is a demo Application of Gym Management System</h1>
 <h1>Created By:</h1>
 <h1>Sreekar Prabhas - BL.EN.U4EAC21070</h1>
 <h1>Sri Sai Suhas Sanisetty - BL.EN.U4EAC21071</h1>
 <h1>Surya Vamsi Kotamaraja - BL.EN.U4EAC21072</h1>
 <h1>Taduvai Satvik Gupta - BL.EN.U4EAC21075</h1>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Contact Information</title>
  <style>
    body {
      font-family: Arial, sans-serif;
```

```
background-color: #f4f4f4;
       margin: 0;
       padding: 0;
       display: flex;
       justify-content: center;
       align-items: center;
       height: 90vh;
     .contact-info {
       background-color: #fff;
       padding: 5px; /* Adjust padding */
       border-radius: 8px;
       box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
       width: 800px; /* Adjust card width */
     .contact-info h3 {
       font-size: 15px; /* Adjust font size */
     .contact-info p {
       font-size: 15px; /* Adjust font size */
     .contact-info .social-icons {
       display: flex;
       align-items: center;
     .contact-info .social-icons a {
       margin-right: 15px;
       margin-bottom: 5px;
       text-decoration: none;
       color: #333;
       display: flex;
       align-items: center;
       width: 400px; /* Adjust width of social links */
     .contact-info .social-icons img {
       width: 15px; /* Adjust size of social icons */
       height: 15px; /* Adjust size of social icons */
       margin-right: 5px;
  </style>
</head>
<body>
  <div class="contact-info">
     <div class="address">
       <h3>Address:</h3>
       S4 Gym, Ananthapura Gate,
       Yelahanka, Banglore-560064
```

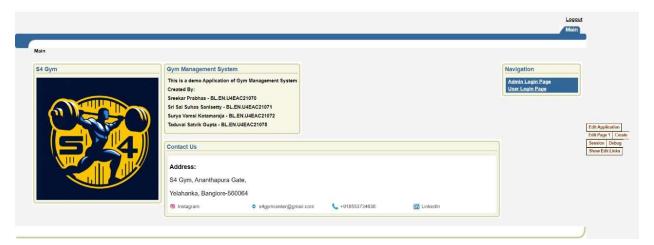
```
</div>
    <div class="social-icons">
      <a href="https://www.instagram.com/satvik.taduvai/" target=" blank">
src="https://th.bing.com/th/id/OIP.jJVUYNMHdCk6ObpJ9VHm2wHaHZ?rs=1&pid=ImgDetMain">
        Instagram
      </a>
      <a href="mailto:s4gymcenter@gmail.com">
src="https://static.vecteezy.com/system/resources/previews/000/547/354/original/envelope-mail-icon-
vector-illustration.jpg">
        s4gymcenter@gmail.com
      </a>>
      <a href="tel:+918553734638">
         <img src="https://th.bing.com/th/id/OIP.HeO4zZ-</pre>
2TWMcYeREK8WXRwHaHa?rs=1&pid=ImgDetMain">
        +918553734638
      </a>
      <a href="https://www.linkedin.com/in/taduvai-satvik-gupta-46b257258/" target=" blank">
src="https://th.bing.com/th/id/OIP.ozDiSGJlUqI6815cRlJiNAHaHa?rs=1&pid=ImgDetMain">
         LinkedIn
      </a>>
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</body>
</html>
```

Outputs:

Login Page for Developer



Main Page



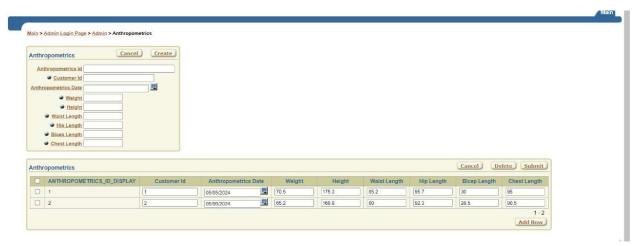
Admin Login Page



Admin Main Page



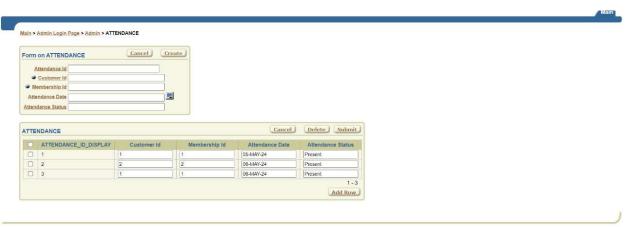
Anthropometrics Page for Admin



Authentication Page for Admin



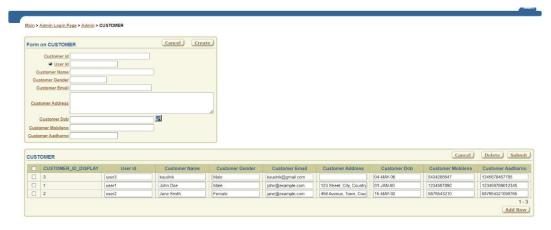
Attendance Page for Admin



Credentials Page for Admin



Customer Details Page for Admin



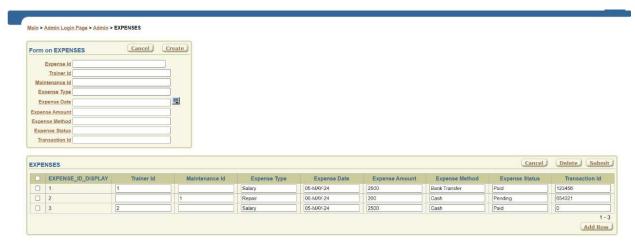
Equipment Page for Admin



Equipment Maintenance Page for Admin



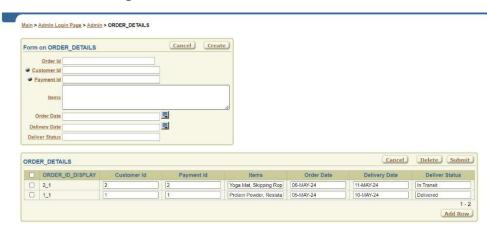
Expenses Page for Admin



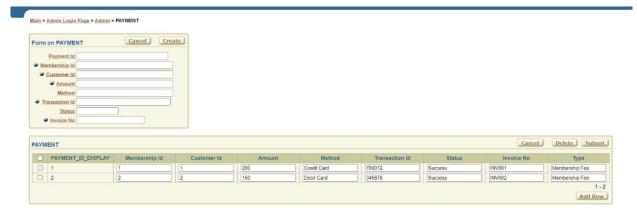
Membership Page for Admin



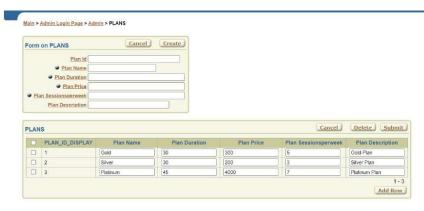
Order Details Page for Admin



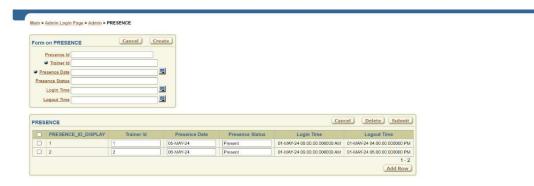
Payments Page for Admin



Plans Page for Admin



Presence Page for Admin



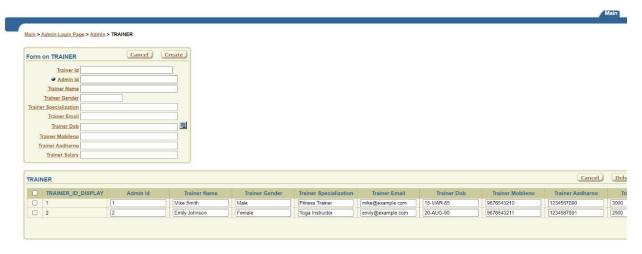
Schedule Page for Admin



Time Slot Page for Admin



Trainer Details Page for Admin



Feedback Analysis Page for Admin



Feedback Analysis Page for Admin



Feedback Analysis Page for Admin



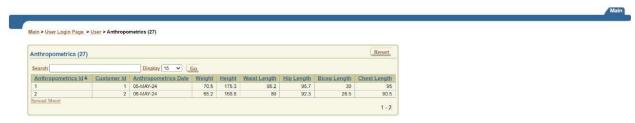
User Login Page



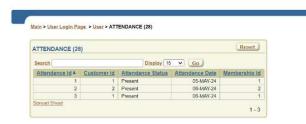
User Main Page



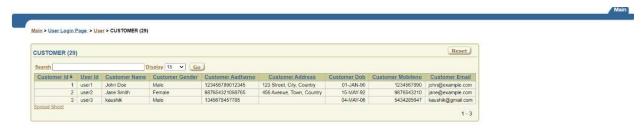
Anthropometrics Report for User



Attendance Report for User



Customer Details Report for User



Equipment Report for User



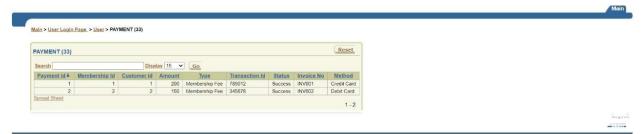
Membership Report for User



Order Details Report for User



Payments Report for User



Plans Report for User



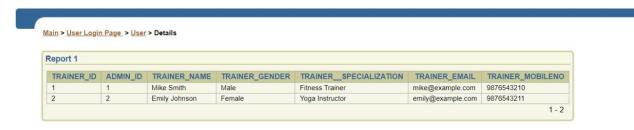
Schedule Report for User



Time Slot Report for User



Trainer Report for User



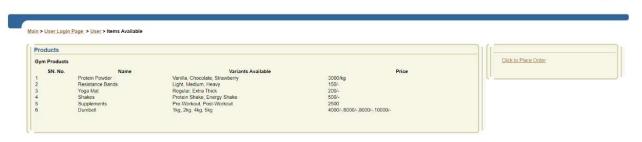
Trainer-Customer-Timeslot Report for User



Feedback form User



Available Items Report for User



Order Form for User



Main

