HACETTEPE UNIVERSITY
COMPUTER ENGINEERING DEPARTMENT

BBM 473 – DATABASE MANAGEMENT SYSTEMS
LABORATORY PROJECT PHASE-4

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Subject: Database Based Web and Desktop Application

Advisor: Res. Assist. (Nebi Yılmaz , Merve Özdeş)

WEB APPLICATION OF GYM MANAGEMENT

Customer Signup Interface

If customer doesn't have an account , he/she can't login instead can easily sign up and enroll the system by this interface. During the process of signing up , customer gives some information about himself/herself.(personal information , payment information , ailments, etc). Checkbox is created dynamically and fetches the data from database.
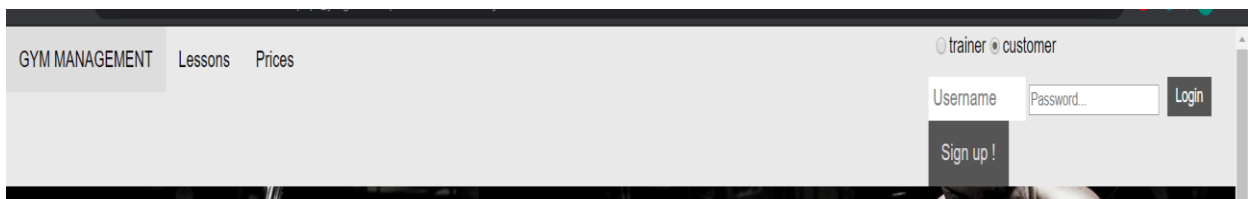
Sign-up button redirects user to sign-up page.

Customer and trainer usernames stored in database with 't_' or 'c_' prefixes to better performance during querying database. But customers and trainers don't create username with prefix. It is done automatically.

Sign up

Please fill in this form to create an account.

Name

Last Name

Username

Password

Repeat Password

Weight(in terms of kilogram)

Length(in terms of cm)

Age

Phsical Alignments

- [ ] acute rheumatic fever
- [ ] asthma
- [ ] cardiac disease
- [ ] epilepsy
- [ ] gestation
- [ ] hernia
- [ ] hypertension

Username

Password

Repeat Password

Weight(in terms of kilogram)

Length(in terms of cm)

Age

Phsical Alignments

- [ ] acute rheumatic fever
- [ ] asthma
- [ ] cardiac disease
- [ ] epilepsy
- [ ] gestation
- [ ] hernia
- [ ] hypertension
- [ ] meniscus
- [ ] skolyoz
- [ ] stable angina

1 Months ▼

Credit Card No

gg . aa . yyyy
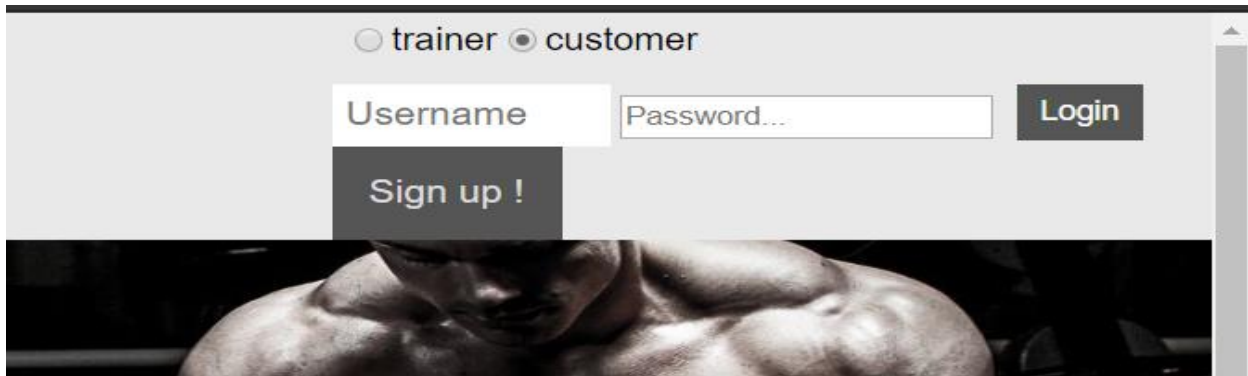
Signup

Home

User Login Screen

Since there are two user types in this system beside admin , web application should also support different types of logins. Login as trainer or customer is the types of login and user should select the login type.

Encryption of Passwords

User passwords (both for trainers and customers) stored with encryption in password.

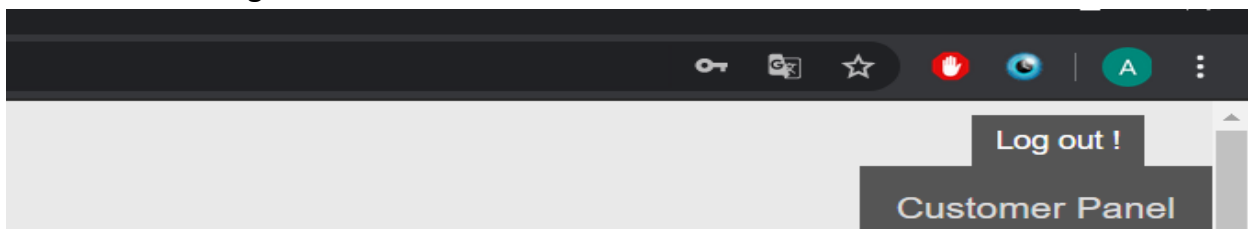| UsernameID	Name	Surname	StartDate	EndDate	Password
c_fernando	Fernando	Mitchell	2020-02-03 07:32:20	2022-02-02 00:28:22	a665a45920422f9d417e4867efdc4fb8a04a1f3f..
c_fernando1	Fernando	Elliott	2020-02-03 07:32:20	2023-02-02 00:28:22	a665a45920422f9d417e4867efdc4fb8a04a1f3f..
c_jackie	Jackie	Lawrence	2020-02-03 07:32:21	2022-03-02 00:28:22	a665a45920422f9d417e4867efdc4fb8a04a1f3f..
c_jennifer	Jennifer	Yilmaz	2020-02-03 07:32:27	NULL	a665a45920422f9d417e4867efdc4fb8a04a1f3f..
c_kamil	Kamil	Kamiloglu	2020-02-03 07:32:27	2022-03-02 00:28:22	a665a45920422f9d417e4867efdc4fb8a04a1f3f..
c_koray	Koray	O'Ryan	2020-02-03 07:32:20	2022-02-02 00:28:22	a665a45920422f9d417e4867efdc4fb8a04a1f3f..

Authorization module

After login there are different types of interfaces for customer and trainer. Not only the main page but they have their own customized panel . Difference starts just after login in main page.
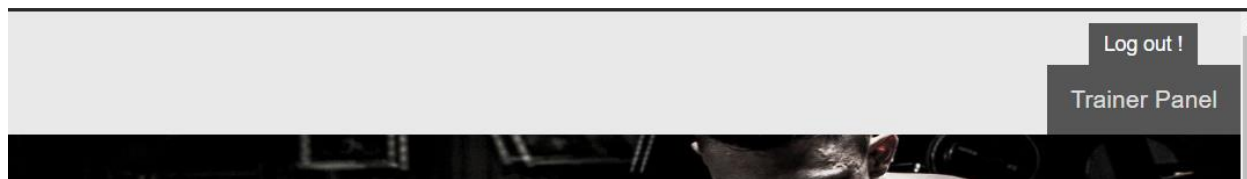
Before Login

After Customer Login

After Trainer Login

Log out !

Trainer Panel

Customer Panel Module

Main Page   Customer Panel   Profile   Join a Lesson   Request Workout

WELCOME TO CUSTOMER PANEL

Select Personal Trainer

Click to See Categorized Trainers   Click to Select Trainer

Trainers

Trainer	Rating
anakin	7
arnold	9
arnold98	5
brendand	2
claudius11	4
cprice	5
darnold	4
jack	7

Default Workout

This workout is given to everybody free. If you want to improve your body faster way you need to select a personl trainer.
You can always request another workout if you select a personal trainer !

Exercise	Set	Reps
push up-easy	3	20
split running-500m	3	
swimming		

Advantages

One of the primary reasons that someone should have a Personal Trainer is that they are trained in teaching others how to exercise. And while exercise in itself is only a part of fitness, with nutrition and lifestyle playing an essential role in the overall picture if you don't get exercise right then you will never achieve your goals. The importance of education when exercising is important for two primary reasons: 1) If you don't know which exercises are most effective for the goals you have, you are unlikely to achieve those goals. For example, if your goal is to build core strength but you spend all your time on cardio exercises, then you are unlikely to hit your goal. 2) Education when performing exercises is essential in reducing the risk of injury. Many people every year are seriously injured by performing exercises they have not received training for, and this can impact their health and fitness for a long time. Having someone trained in how to execute certain tasks will greatly reduce the level of risk and increase the effectiveness of your fitness routine.

Trainer Panel

Main Page   Trainer Panel   Profile   Statistics Screen   Filter Customers   Filter Lessons   Statistics PDF

WELCOME TO TRAINER PANEL

ACTIVITY LOGS

Username	Name	Surname	Description
arnold	Arnolda	Phillips	t_arnold updated profile !
arnold	Arnolda	Phillips	t_arnold updated profile !
koray	Koray	O'Ryan	updated information
jackie	Jackie	Lawrence	joined Kick Box
koray	Koray	O'Ryan	joined Group Running
antonina	Antonina	Foster	logged out
antonina	Antonina	Foster	logged in
koray	Koray	O'Ryan	updated information
aybart	Aybar	Owens	joined Group Running
oktay	Oktay	Holmes	signed up to gym!

antonna	Antonina	Foster	logged in
koray	Koray	O'Ryan	updated information
aybart	Aybar	Owens	joined Group Running
oktay	Oktay	Holmes	signed up to gym!

Requests

Customer Name	Description	Request Date	Look Program
aybart	I want to be fatter.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:28	Select
oktay	I want to be thinner in easy way.	2020-02-03 07:32:22	Select
oktay	I want to be more handsome in easiest way	2020-02-03 07:12:08	Select
ryana	I should run more faster for a competition.	2020-02-03 07:32:22	Select

Data Entry and Update Screens

These screens provide both customer and trainer to do update , insert and delete operations. One single row changes more than one tables so that they are not as many as table counts.

Trainer selection for customer

Select Your Trainer

Current Trainers Avaible

t_anakin Anakin O'Gallagher   ▼

Select

Go back

Update account for customer

Change Password

Current Password

New Password

Repeat Password

Change Password

Update Account

Please fill in this form to update your account

Oktay

Holmes

83

188

23

Phsical Alignments

☐ acute rheumatic fever
☐ asthma
☐ cardiac disease
☐ epilepsy
☐ gestation
☐ hernia

Update Account

Please fill in this form to update your account

New Name

New Last Name

New Username

New Password

Repeat Password

Weight(in terms of kilogram)

Length(in terms of cm)

Age

Phsical Alignments

- ☐ acute rheumatic fever
- ☐ asthma
- ☐ cardiac disease
- ☐ epilepsy
- ☐ gestation
- ☐ hernia
- ☐ hypertension
- ☐ meniscus
- ☐ skolyoz
- ☐ stable angina

Update

Go back

Request workout for customer

Request Workout Form

Please explain your expectations from the
program here ....

Submit

Lesson purchase for Customer

Lesson Details

Lesson Name	Trainer Name	Trainer Surname	Section Time	Price	Room	Join Lesson!
Aikido	Liv	Cunningham	Friday:17:00-18:00	200	1	✚
Body Building	Arnolda	Phillips	Sunday:13:00-14:00	100	1	✚
Group Running	Anakin	O'Gallagher	Monday:17:00-18:00	80	1	✚
Kick Box	James	Clark	Tuesday:15:00-16:00	100	1	✚
Kick Box	Cameron	Price	Saturday:18:00-19:00 Tuesday:15:00-16:00	100	2	✚
Kung Fu	Brendand	Jenkins	Friday:17:00-18:00	100	3	✚
Pilates	Claudius	Stephens	Sunday:17:00-18:00	220	1	✚
Power Building	Willy	Wonka	Sunday:16:00-17:00	200	2	✚
Yoga	Anakin	O'Gallagher	Monday:10:00-11:00	250	1	✚
Yoga	Anakin	O'Gallagher	Wednesday:13:00-14:00	250	2	✚
Zumba	Anakin	O'Gallagher	Friday:17:00-18:00	50	2	✚

My Lessons Page for Customer

Lesson Details

Lesson Name	Trainer Name	Trainer Surname	Section Time	Price	Room	Delete Lesson
Aikido	Liv	Cunningham	Friday:17:00-18:00	200	1	🗑
Body Building	Arnolda	Phillips	Sunday:13:00-14:00	100	1	🗑
Power Building	Willy	Wonka	Sunday:16:00-17:00	200	2	🗑
Zumba	Anakin	O'Gallagher	Friday:17:00-18:00	50	2	🗑

Add Workout for Trainer

Requests

Customer Name	Description	Request Date	Look Program
aybart	I want to be fatter.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:28	Select
oktay	I want to be thinner in easy way.	2020-02-03 07:32:22	Select
oktay	I want to be more handsome in easiest way	2020-02-03 07:12:08	Select
ryana	I should run more faster for a competition.	2020-02-03 07:32:22	Select

ADD PROGRAM — aybart's Programs

Program Name	Delete
For Real Body Builder Advance	Delete
Get Strong Begginer	Delete

localhost:63342/ilkdeneme/trainer_panel/trainer_header.php?select=0

Main Page   Trainer Panel   Profile   Statistics Screen   Filter Customers   Filter Lessons   Statistics PDF

antonina	Antonina	Foster	logged in
koray	Koray	O'Ryan	updated information
aybart	Aybar	Owens	joined Group Running
oktay	Oktay	Holmes	signed up to gym!

Requests

Customer Name	Description	Request Date	Look Program
aybart	I want to be fatter.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:22	Select
koray	i just look more bigger than I am.	2020-02-03 07:32:28	Select
oktay	I want to be thinner in easy way.	2020-02-03 07:32:22	Select
oktay	I want to be more handsome in easiest way	2020-02-03 07:12:08	Select
ryana	I should run more faster for a competition.	2020-02-03 07:32:22	Select

Select Proper Program For aybart

Program Name	Add
Get Strong Medium	Add
Chest Building	Add
Run More Faster	Add
Fit With Dancing	Add

Update Account for Customer

Change Password

Current Password

New Password

Repeat Password

Change Password

Update Account

Please fill in this form to update your account

Oktay

Holmes

83

188

23

Phsical Alignments

- acute rheumatic fever
- asthma
- cardiac disease
- epilepsy
- gestation
- hernia
- hypertension

Changing Profile for both customer and trainer

Account

Change Profile Photo

Account Information

Username : anakin

Salary :12000

Education : Hacettepe University

Experience : 8

Rating : 3

Length : 170

Weight : 78

Update Password

Update Account Information

PHOTO ENTRY SCREEN

If trainer or customer add a profile photo the path of photo stored in database
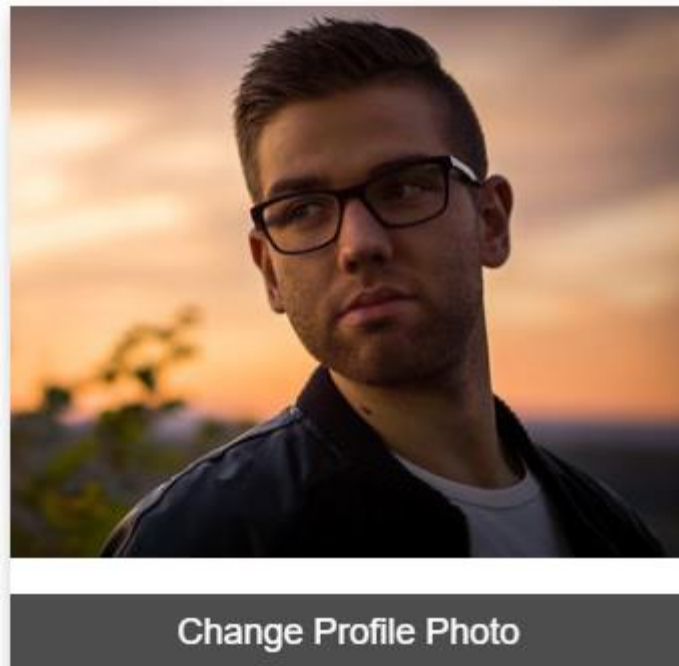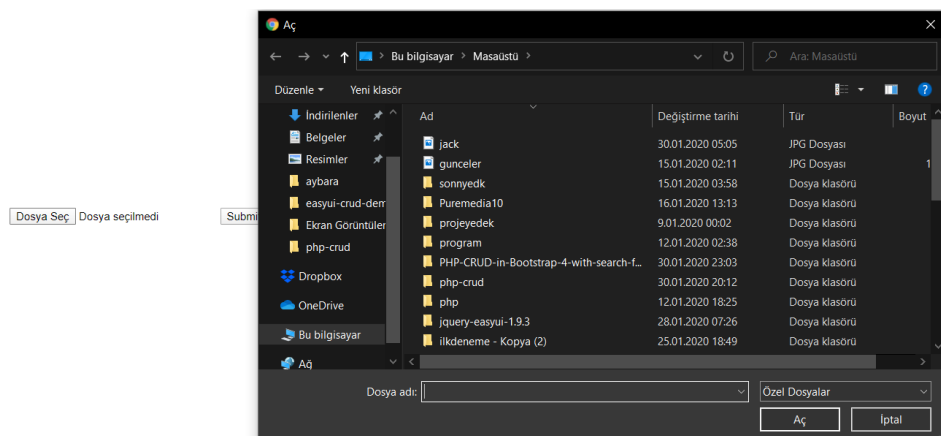
a665a45920422f9d417e4867efdc4fb8a04a1f3f...   images/jack.jpg
03ac674216f3e15c761ee1a5e255f067953623c...   NULL

Listing Screens with PDF

Listing screens are combined with PDF.
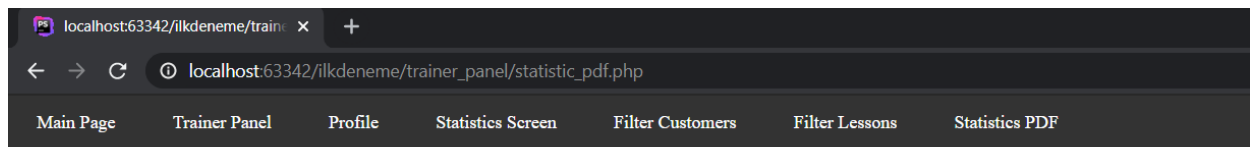
This black buttons provide trainer to see a list of fattest , smallest customers and list the customers that choosed corresponding trainer
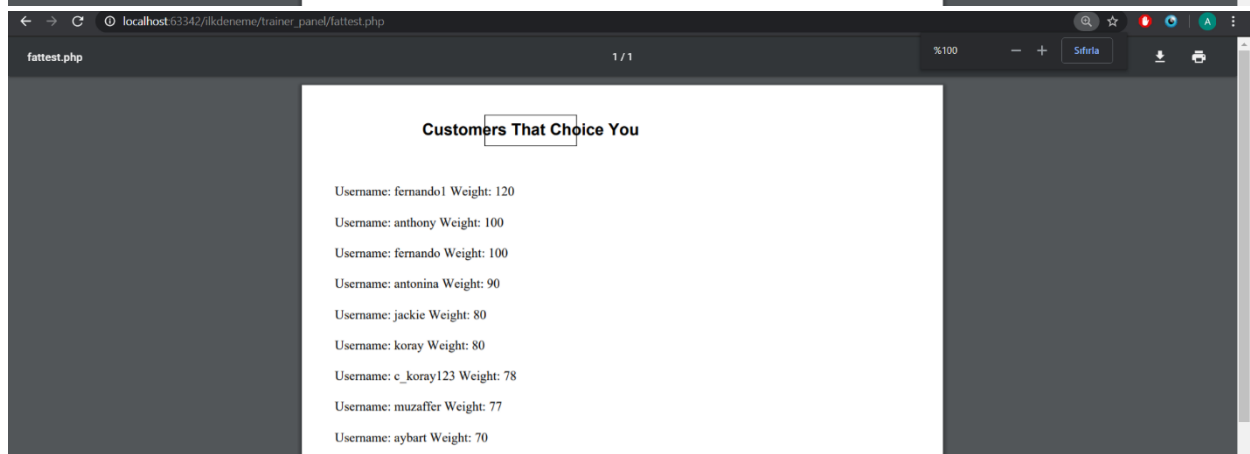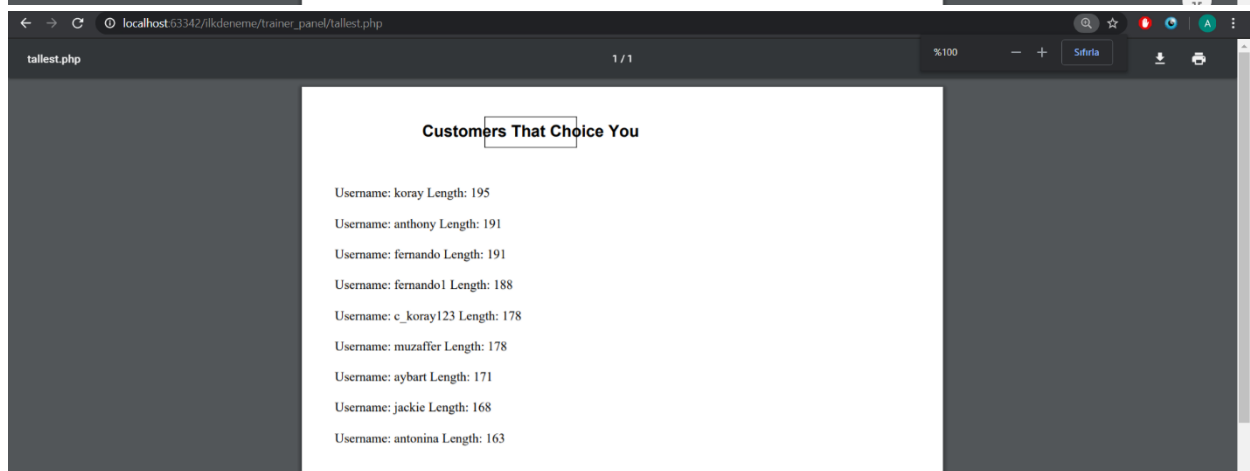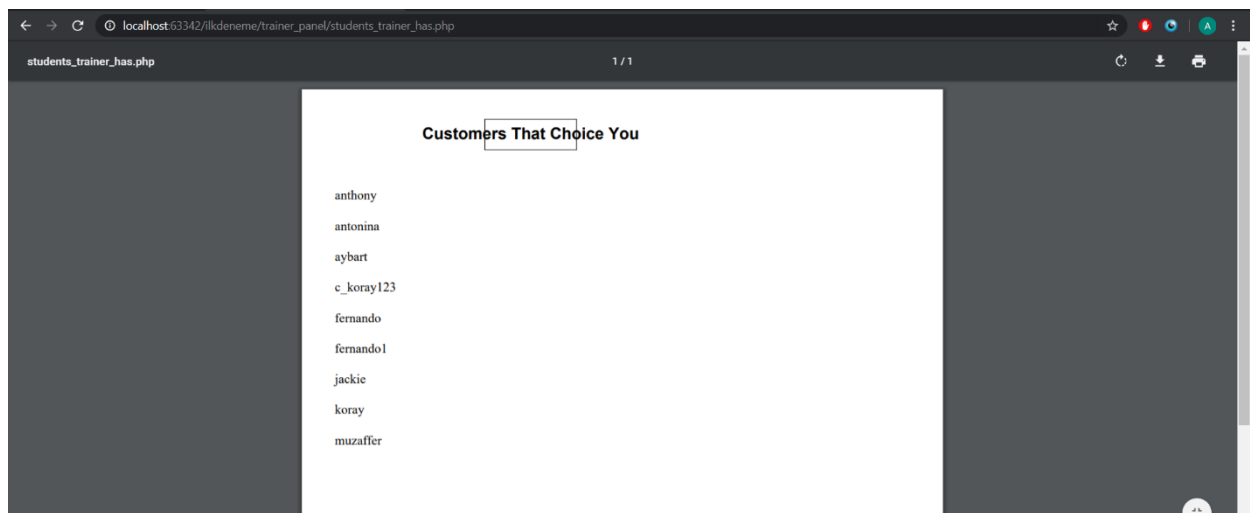
FILTERED PAGES

There are 3 filtered pages in system. One embedded in customer panel to enable customers to filter trainers.

FILTERED PAGE TO FILTERING TRAINERS
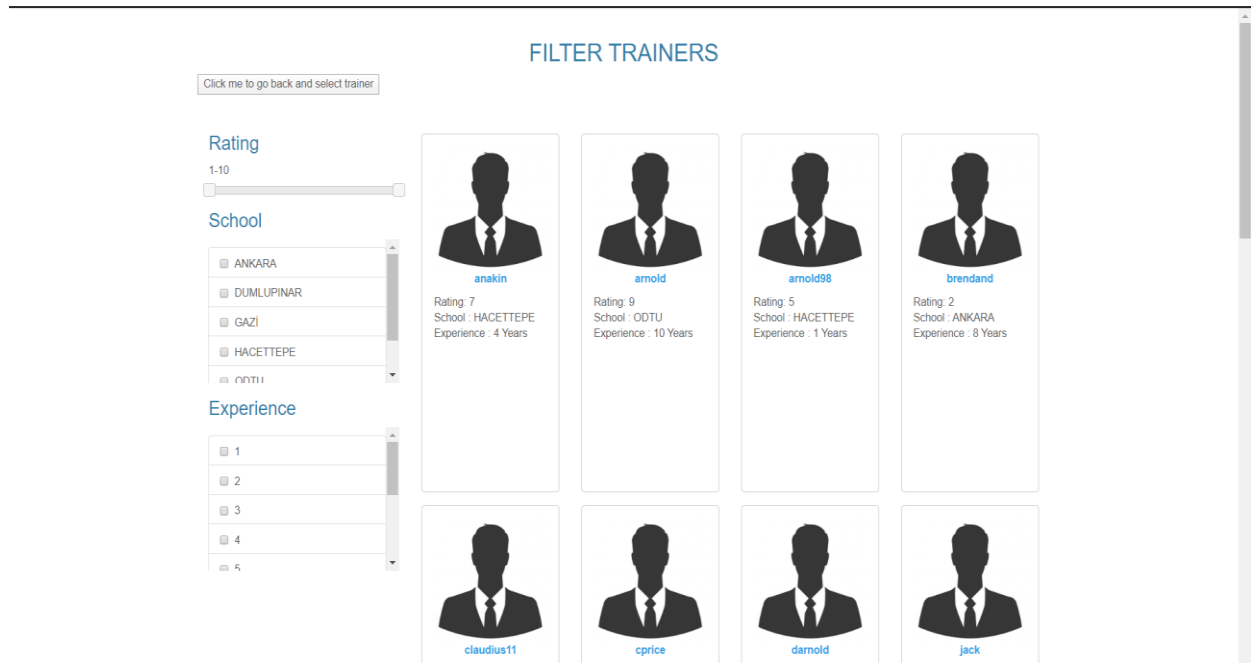
Second and third filtered page in trainer panel to filter customers and filter lessons.

FILTERED PAGE TO FILTER CUSTOMERS

FILTERING FOR YOUR CUSTOMERS

Click me to go back

AGE
15-99

WEIGHT
30-200

LENGTH
140-240

Membership

☐ 1 Months
☐ 1 Year
☐ 10 Months
☐ 16 Months
☐ 3 Year

anthony
BMI: 20
Weight: 100
Length: 191
Membership : Monthly

antonina
BMI: 30
Weight: 90
Length: 163
Membership : 6 Months

aybart
BMI: 20
Weight: 70
Length: 171
Membership : Monthly

c_cilginoktay
BMI: 23.7
Weight: 75
Length: 178
Membership : 16 Months

c_crazydeniz

c_kerim

c_koray123

c_koray1234

FILTERED PAGE TO FILTER LESSONS

FILTER LESSONS

Click me to go back

Price
0-1000

Name

☐ Aikido
☐ Body Building
☐ Group Running
☐ Kick Box
☐ Pilates

TrainerID

☐ anakin
☐ arnold
☐ brendand
☐ claudius11
☐ cprice

SPORT
1
Price: 100
Name : Body Building
TrainerID : arnold

SPORT
2
Price: 200
Name : Power Building
TrainerID : willy

SPORT
3
Price: 100
Name : Kick Box
TrainerID : james

SPORT
4
Price: 250
Name : Yoga
TrainerID : anakin

SPORT
5
Price: 350
Name : Step Aerobik

SPORT
6
Price: 200
Name : Aikido

SPORT
7
Price: 220
Name : Pilates

SPORT
8
Price: 80
Name : Group Running

STATISTIC SCREEN

STATISTICS ABOUT CUSTOMERS & TRAINERS

Average , Minimum , Maximum Salary for Trainers

Average Salary is : 9054.2 $

Minimum Salary is : 1330 $

Maximum Salary is : 20000 $

Number of Trainers & Customers

Number of Customers : 17

Number of Trainers: 20

Average , Minimum , Maxsimum Age of Customers

Average age of Customers : 29.8824 years

Minimum age of Customers : 19 years

Maximum age of Customers : 44 years

Most Expensive and Cheapest Lessons and Prices

Cheapest Lesson: Zumba

Price: 50 $

Most Expensive Lesson: Step Aerobik

Price: 350 $

Most Seen Customer Alignments

Most Seen Alignment: hernia

Number: 6

Most Common Professions Among Trainers

Most Seen Profession: Body Builder

Number: 3

Most Preferred Membership

Most Seen Profession: Monthly

Number: 5

Most Preferred Days Among Customers

Sunday Number: 4

Friday Number: 4

Tuesday Number: 2

Most Used Exercises

chest fly-easy Number: 2

split running-500m Number: 2

Top Purchaser Customers

muzaffer Number: 5

fernando Number: 3

PROCESSING HISTORY (LOGGING)

ACTIVITY LOGS

Username	Name	Surname	Description
arnold	Arnolda	Phillips	t_arnold updated profile !
arnold	Arnolda	Phillips	t_arnold updated profile !
koray	Koray	O'Ryan	updated information
jackie	Jackie	Lawrence	joined Kick Box
koray	Koray	O'Ryan	joined Group Running
antonina	Antonina	Foster	logged out
antonina	Antonina	Foster	logged in
koray	Koray	O'Ryan	updated information
aybart	Aybar	Owens	joined Group Running
oktay	Oktay	Holmes	signed up to gym!