MONASH University

FIT5032 Design Report (High Distinction)

Your Fitness First

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Contents

I.   Overview

The website servers as a platform for a content manager to manage the customers' information, provide the training group, and share the useful blog of nutrition or health.

This report provides the overview of the system, where people can connect with others who have the same habit about nutrition and fitness.

II.   User Stories

- As an admin, I want to manage booking list and blog list (update, view and delete.
- As an admin, I want to view all customer's information.
- As a user, I want to view and edit my information.
- As a user, I can book my private training session (1-1 with personal trainer)
- As a user, I can make/share and edit a post to gym website (common post)

III.   Functional Diagram
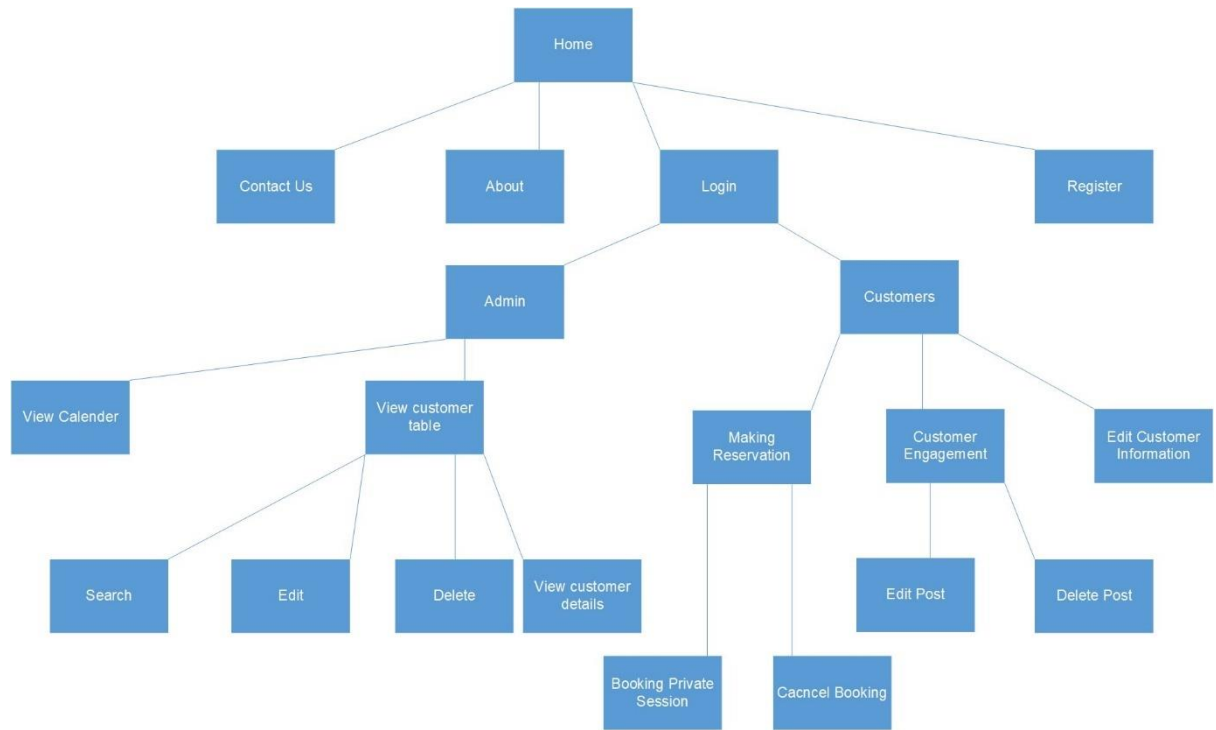
IV.   Core Program Functionality

According to the functional diagram, the core program functionality will provide the information for each function in the fitness first system. The main functionality for fitness first system including login, register, booking training group, and creating blogs.

A. Homepage
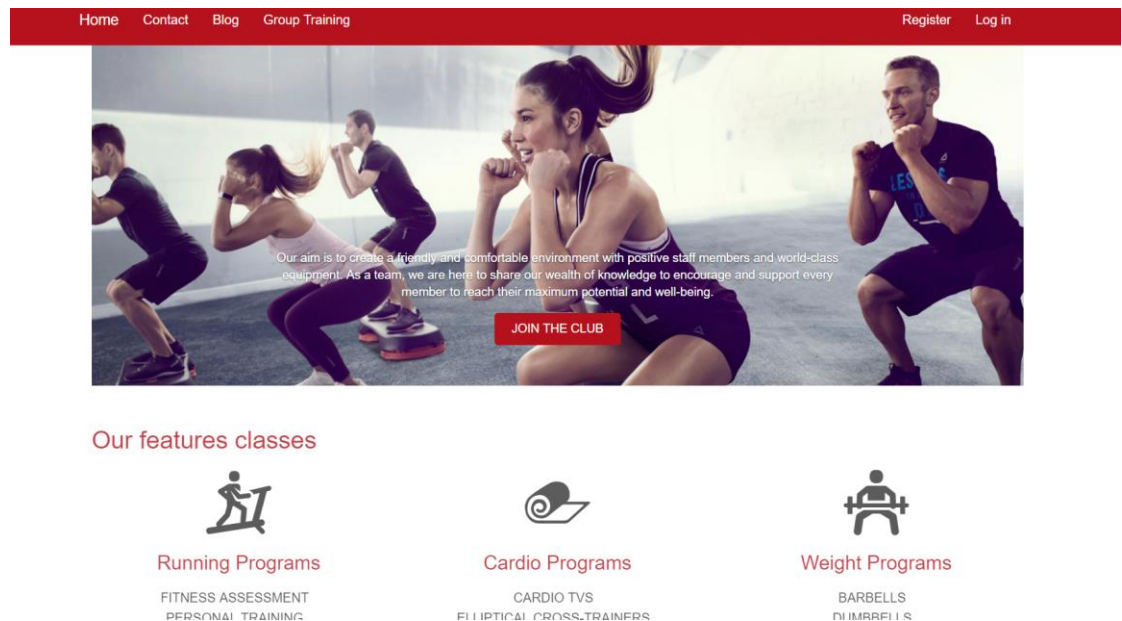
The Homepage provides information about the fitness first website, including the features classes as well as the training group. From the homepage, users can select group training, blog, register as well as login to access the booking group system.

Figure 1: Homepage

B. Contact us

Figure 2: Contact us

Contact page provides information allowing customers to contact the owner, which includes the phone number.

C. Blog

The blog is the place where customers share their stories about fitness, which includes nutritional information, fitness lesson or motivation stories from fitness models.

Figure 3: Community Blog

The customers can view the blog details by click the "**Details**" link of each blog.

Figure 4: Blog Details

D. Login

Figure 5: Login

Login page allows customers and admin to login and access to internal services including managing/booking training group and managing/editing/creating the website blog.

E. Register

Figure 6: Register Form

Register page allows new customers to register. After registration, customers can create/update/remove their own blogs, which provide the information about nutrition or fitness program. Besides, customers can have the opportunities to book their group training class, which includes intensive fitness programs.

F. Customers

In terms of customer functionality, after login, customer can edit their personal information, edit/delete their post, booking/cancelling private training session.

Booking/cancelling private training session
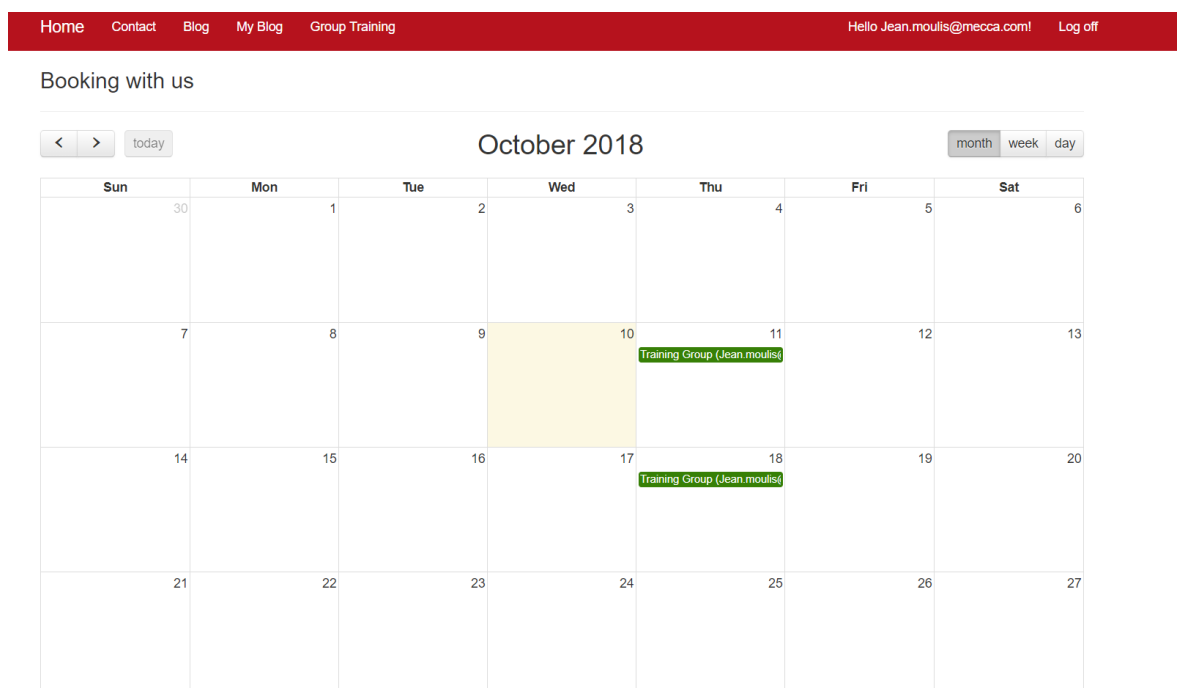
Figure 7: Booking private training

After login, the customers can select the date for private training with the personal trainer. The validation will be applied for booking as the customers will not be able to book the date in the past.
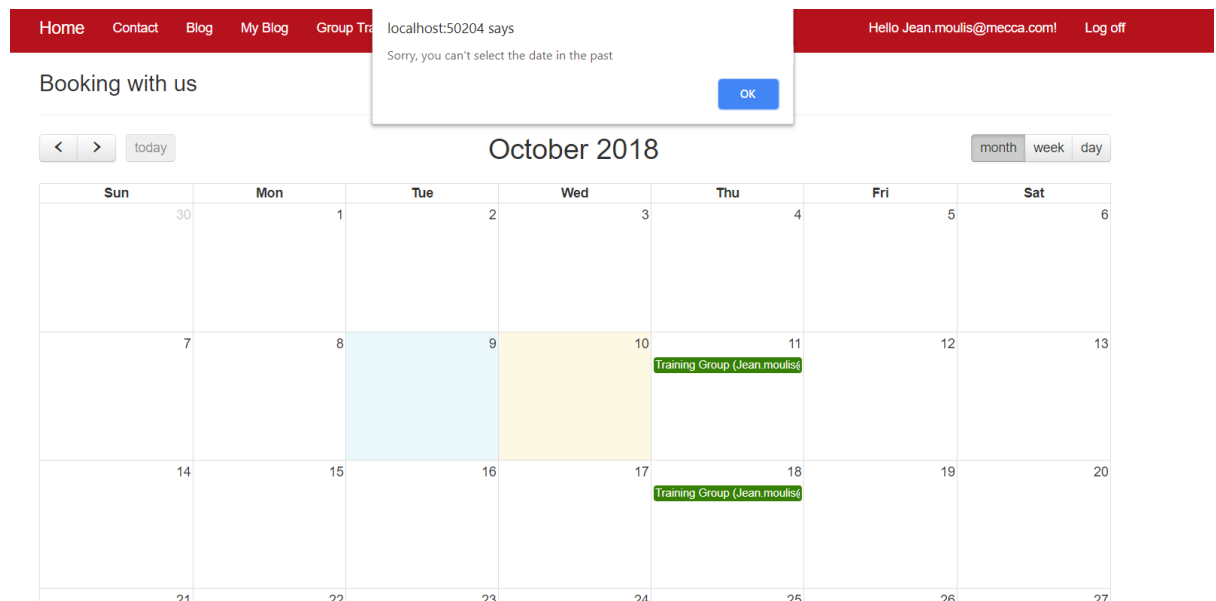
Figure 8: Booking validation

Besides, the customers can cancel their booking by clicking the cancel link.

Figure 9: Cancel booking

The cancel your booking link will redirect to cancel form, which allows user to cancel the booking for the selected date.

Delete

Are you sure you want to delete this?
GroupTraining

Email	Jean.moulis@mecca.com
Booking Date	2018/10/11

[Cancel Your Booking] | Back to List

Figure 10: Cancel booking form

Creating/Delete personal blog

After login, customers can manage their own blog and share information about nutrition, fitness program or motivation lesson. Their own blog will contribute to the common blog of the website.

| Home | Contact | Blog | My Blog | Group Training | | Hello Jean.moulis@mecca.com! | Log off |

My Blog

Show 10 entries   Search:

Title	Content	Written By	
Workout for new day	Let Start with us	Jean Moulis	Details	Edit| Remove
Workout for new day	Workout for new day	Jean Moulis	Details	Edit| Remove

Showing 1 to 2 of 2 entries   Previous 1 Next

Create a new blog

Figure 11: Personal blog

If customers click on "**create a new blog**", then can create a new blog.

Figure 12: Create a new Blog

If customers click on "Edit" link, they can edit that blog.

Figure 13: Edit Blog

If customers click on "Remove" link, they can remove that blog.

Figure 14: Remove Blog

If customers click on "Details" link, they can view the details of that blog.

Figure 15: My Blog Details

G. Admin

In terms of admin functionality, after login, admin can edit/delete/create all blogs, booking/cancelling all private training sessions.

Managing common blog

Figure 16: Manage common blog

After login, admin can mange all user blogs including editing, removing or creating a new blog.

Managing training session

Admin can manage all training sessions by editing, viewing or removing all the booking.
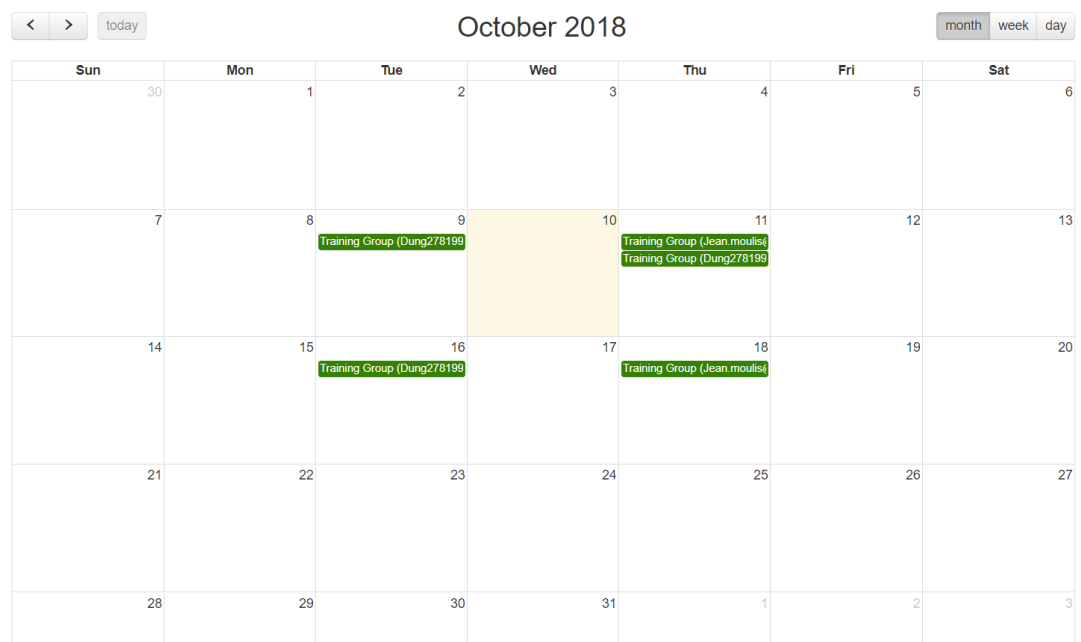

Figure 17: Manage customer's booking training session

Email	Booking Date	
Dung2781993@gmail.com	2018/09/21	Cancel Your Booking
Jean.moulis@mecca.com	2018/09/21	Cancel Your Booking
Jean.moulis@mecca.com	2018/09/25	Cancel Your Booking
Jean.moulis@mecca.com	2018/09/28	Cancel Your Booking
Jean.moulis@mecca.com	2018/09/27	Cancel Your Booking
Jean.moulis@mecca.com	2018/10/11	Cancel Your Booking
Dung2781993@gmail.com	2018/10/11	Cancel Your Booking
Dung2781993@gmail.com	2018/10/09	Cancel Your Booking
Dung2781993@gmail.com	2018/10/16	Cancel Your Booking
Jean.moulis@mecca.com	2018/10/18	Cancel Your Booking

Figure 18: Cancelling customer's booking training sessions.

V.   Mobiles/Tablets Design

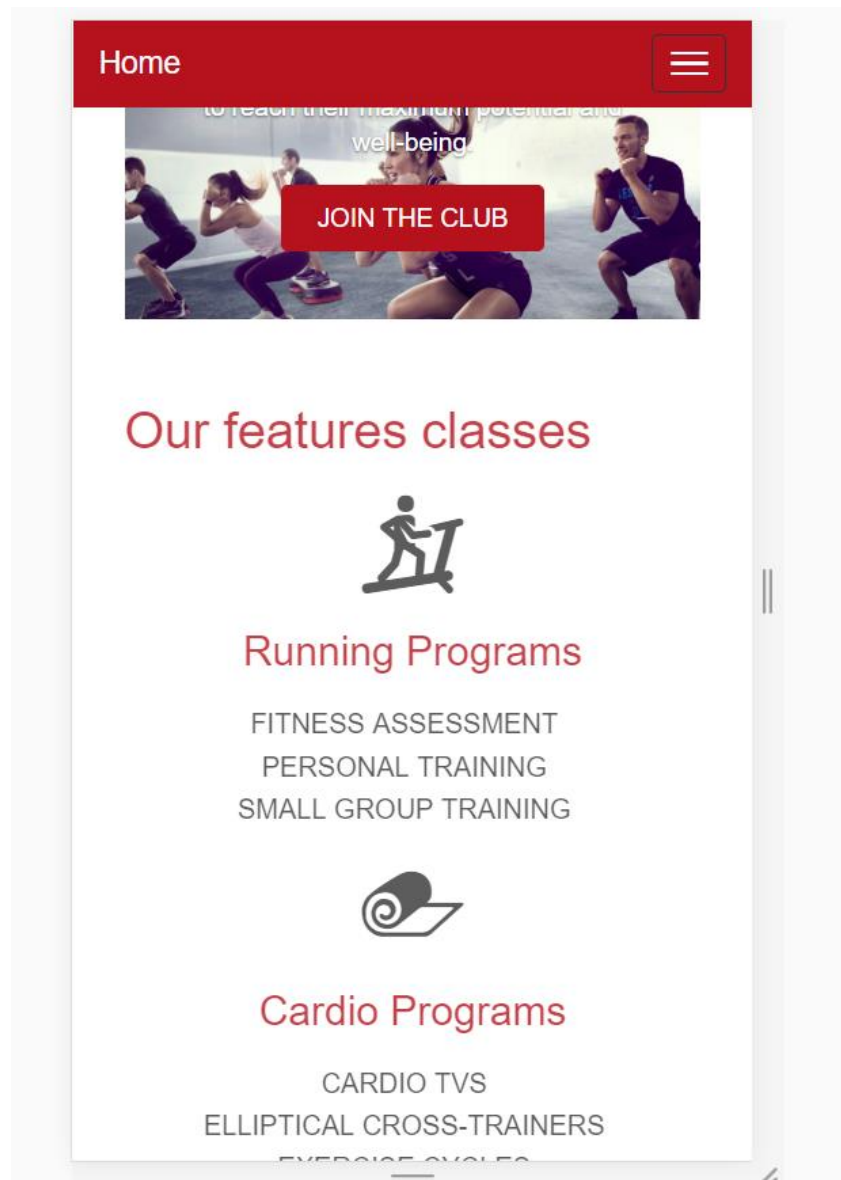The website is designed to be responsive, which is supported multiple devices.
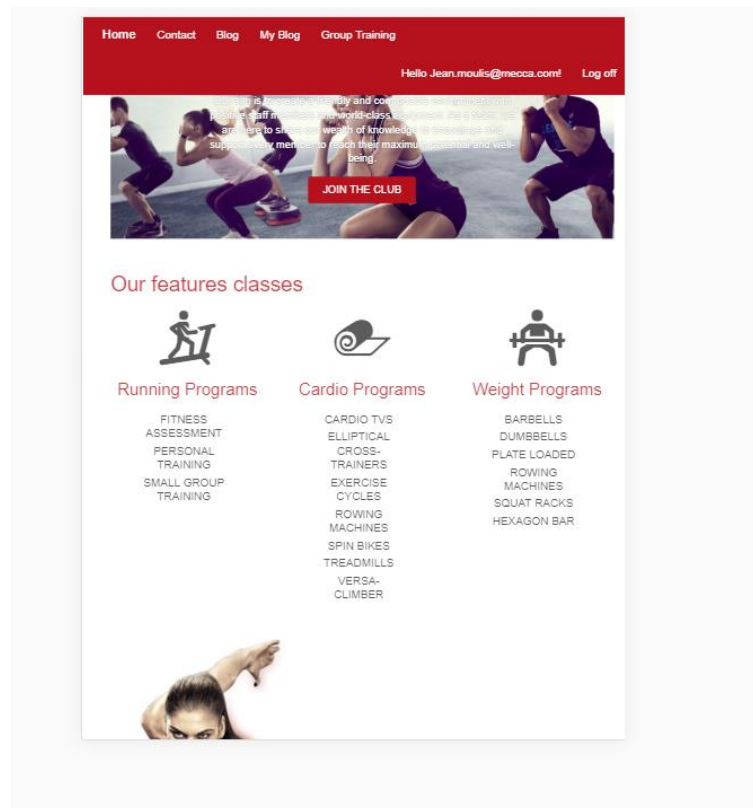
Figure 19: Mobile View

Figure 20: Tablet View

VI.   Usability Design Review

- **Navigation**: The website is designed to support customers who is going to gym. Main pages are grouped together, as well as relevant sub-pages, if any.

- **Familiarity**: The layout is familiar to users, where items are placed at where they are as usual such as menu items on top of the page, search bar above table, and edit/details/delete links are on every row of the table.

- **Consistency**: All pages share a common layout design, and data tables are displayed in an identical way.

- **Error Prevention**: When the user edits a record, all fields are validated before submitting to the database to prevent data type errors.

- **Feedback**: The website is responsible to user's inputs. A click on a link returns destination page quickly, and search function returns results immediately.

- **Visual Clarity**: The website is easy to read and explore, with contrasting colours and bright text.

- **Flexibility**: Navigation is flexible, where user can jump to different parts of the website with ease thanks to fixed menu bar.

VII.   Database and Code Structure

Database Design

In terms of database design, the system has 7 tables.
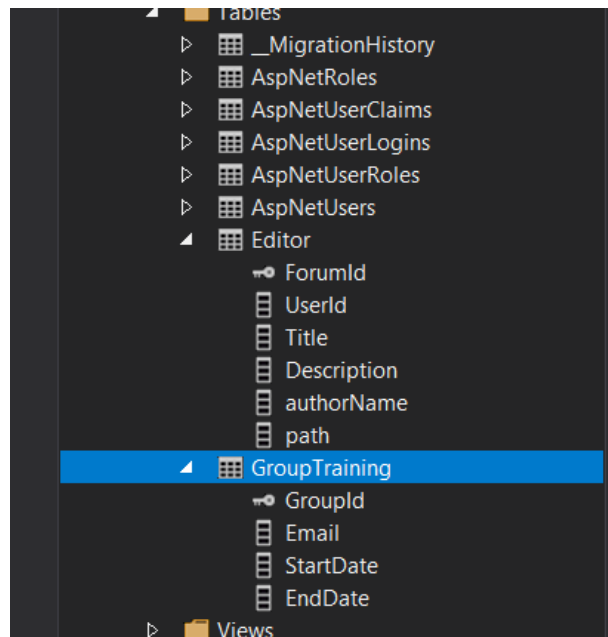

Figure 21: Database Structure

There are two added table named Group Training and Editor, which allows users to book the training group session and share the blog about nutrition or fitness.

The new tables are designed by using Database First Approach, which will connect to "*AspNetUser*" by *UserId* and *Email.*

Code Structure

In terms of code structure, the website is built based on MVC structure.
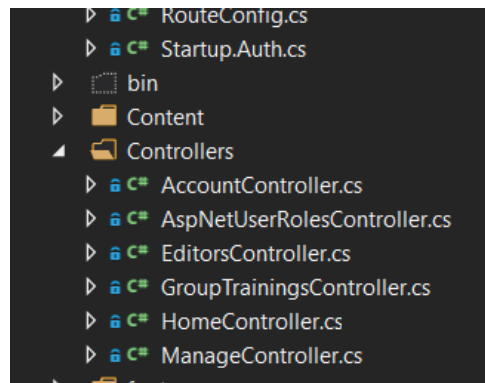
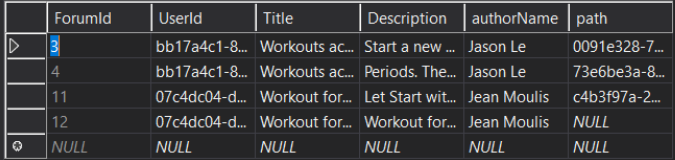*Figure 22: Controllers*
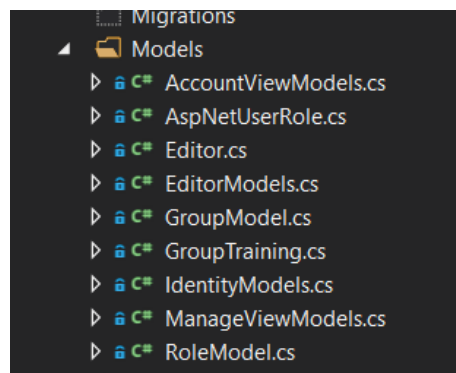
Figure 23: Models
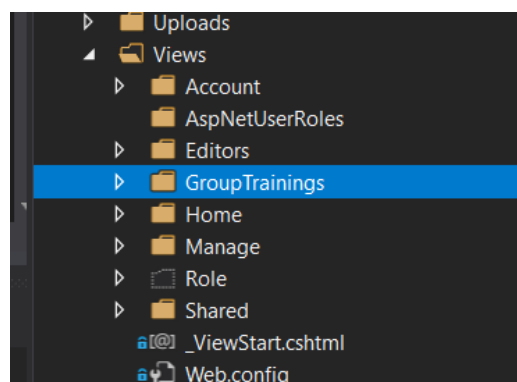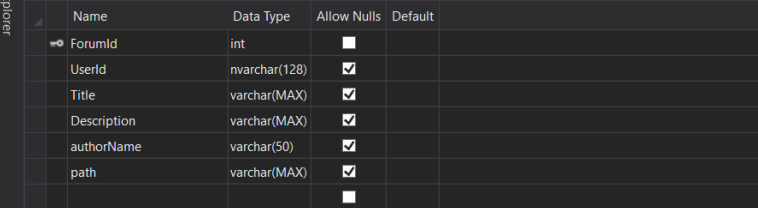
Figure 24: Views
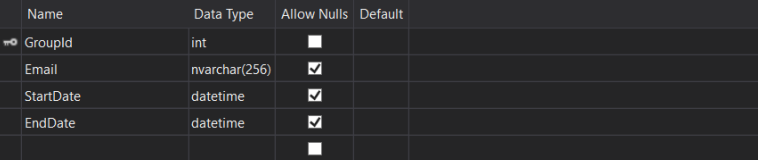
VIII.   Data Dictionary

1. Editor Table

2. Group Training Table

IX.   Repository

Using bitbucket for code storing and managing the version. Using bitbucket allows to revert if necessary.

URL to bitbucket:

https://bitbucket.org/global2708/fit5032/src/master/

X.   Checklist of site functionality

	TICK
1. (Layout Page)	**if complete**
Good Design	X
Stylesheet	X
JavaScript	X
Menu	X

2. (Home page)	
Design and content	X
Banner Image	X
3. (User Log in)	
Web form and validation controls	X
Formatted data entry display	X
Overall page design	X
4. (Customised Views and Controllers)	
Customised Views	X
Customised Controllers	X
Other customisations	
5. (Documentation)	
Code Comments	X
Attribution of Source of any code used	
6 Additional Distinction Items	
Basic Module 1:	
Creating common blog allows customers to contribute	X
Search through the list of people using key word (title, description or created by)	X
Administration can manage the common blog	X
Basic Module 2:	
Confirmation email after booking	X
Using calendar for booking training session	X
Administration can manage the booking training session	X
7 Additional High Distinction Items	
Sending email for booking confirmation	X
Validation for booking using calendar	X
Advanced Module:	
Using repository for code storing	X

Audit	
No breaking of copyright	

XI.   References

https://www.snapfitness.com/au/