**HIT339 DISTRIBUTED DEVELOPMENT**

**Assignment 2 Project Documentation**

**Group name:** Group F

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**GitHub:** <https://github.com/ABonoboCoding/GroupFTennisWebApp>

**Project Requirements**

**Members need to:**

1. View the schedules with who is coaching them at any time from the website **(Completed)**

2. View coach profiles from a list, and from the schedule details. **(Completed)**

3. Create an account so that we can email them of upcoming specials **(Completed)**

4. Enroll in a scheduled item before the scheduled date once they have logged in **(Completed)**

Members should not see anything else!

**Coaches need to be able to log in and:**

1. Create/Edit a profile with a brief biography **(Completed)**

2. See their upcoming schedules **(Completed)**

3. See their enrolled members for each schedule **(Completed)**

Coaches should not see anything else!

**Admin needs to be able to log in and:**

1. Create schedules with event-name, date, location and coach **(Completed)**

2. Match coaches with schedules **(Completed)**

3. View all membership in a list **(Completed)**

Admin should see the lot.

**Project Technical Diary**

**26/09 - Saturday**

Project initiated and added group members to the GitHub repository.

Scaffolded User Identity for attempt to override user identity database fields. Adding **LastName, FirstName, DOB** and **Bio.** Also planning on adding Boolean value to database for user roles.

Was met with error where the project had two dbcontexts, ApplicationDbContext and the new UserContext. Merged ApplicationDbContext with UserContext.

Was met with error when trying to sign in, where default identity is already stated. Removed and replaced with AddAuthorization code.

Able to sign in, but attempt to log in returns a

“InvalidOperationException: No service for type 'Microsoft.AspNetCore.Identity.UserManager`1[Microsoft.AspNetCore.Identity.IdentityUser]' has been registered.”

Error.

After injecting custom user context in \_LoginPartials, webapp allowed user sign in, but custom user data are not appearing in the data base.

Fixed issue where custom user data was not appearing in the database viewer.

Today’s work is uploaded to GitHub.

**26/09 and 27/09 – Saturday and Sunday**

Created Coaches, Schedules and Schedulesmembers in models.

Was met with error when trying to scaffold models, where “More than one DbContext was found. Specify which one to use”.

Another error was met after fixing the error above, where “no parameterless constructor defined for type dbcontext”.

After fixing the errors, I was able to scaffold Coaches, Schedules and Schedulesmembers and apply migration.

**29/09 –** **Tuesday**

Fixed error where “The layout view '~/Pages/Shared/\_Layout.cshtml' could not be located.” for Coaches, Schedules and Schedulesmembers. Now able to display Coaches, Schedules and Schedulesmembers pages.

**30/09 – Thursday**

With the help of Rohan, it was possible to add radio buttons for users to choose their types of registration: Coach and Member.

At the beginning, I attempted to do different Boolean fields for IsMember, IsCoach and IsAdmin. But the radio button input value could not be used in the controller.

As a solution, the Boolean fields were all combined into 1 Role string field. Using two radio buttons with preset role values, users were able to sign up with a role.

Pulled latest update from GitHub and copied changes over.

**05/10 – Monday**

Reuploaded a set of previously backed up migrations.

Created enrollment page in Views Schedules and added Schedule and MySchedule pages in Views Coaches. Members can enroll in a scheduled item before the scheduled date after they logged in but not after the scheduled event has happened. If they continue to enroll they will get an error.

Attempted to create AdminController. It is not of final yet.

[Authorize(Roles = "Coach")] and [Authorize(Roles = "Admin")] is not working as expected. For example, when “Edit” has been given authorization to only Coach, and even if the user is logged in as Coach, the “edit” is not showing. Will work out what the issue is later.

**07/10 – 08/10 – Thursday**

* Fixed issues with identity roles. Method ”[Authorize(Roles = " ")]” can now be assigned to check the role of the current login user.
* Roles are created upon app startup
* Added if (User.IsInRole(" "))” on View/Shared/\_Layout.cshtml where only certain content can be viewed/accessed by certain roles. So different users will see different pages.
* Created methods to view all users that are members and all users that are coaches.
* Added comments to code for readability and understandability.
* Created home page depending on which role, you will see a different home page.
* Created Admin radio button. The Admin radio button is just for ease to create an admin account (for demo purposes), and it should not be used in a realistic situation.
* Added some button CSS.

**9/10 – Friday**

* Created coach profile page so that a coach can see their profile details. So when a coach registers, he will be able to see his profile on “My Profile” page.
* Added biography to admin “All Coaches” page.
* Created All Coaches page in member page.
* Added My Enrollment page in Member, so when a member enrolls in a session, he can check his enrolled detailed on My Enrollment page. The member can delete the enrollment if he wants.
* The project is overall completed and has met all the requirement outlined in the Assignment 2 Task.

**User Documentation**

Each user needs to register in order to view the pages.

As a member, you have three pages on the home page and in the navigation bar on the top. You can see all coaches on the All Coaches page. After you found the coach you like, you can enroll into a schedule to meetup with them. After you enrolled in a scheduled session, you can check your enrollment detail on My Enrollment page.

As a coach, you have two pages on the home page and in the navigation bar on the top. You can view your profile, to attract potential members to schedule a session with you. You can also view your upcoming schedules that members have enrolled with you.

As an admin, you have two pages in the navigation bar on the top. You can create/update/delete schedule in the “Schedule” page. 2. You can see all users including coach and member who has registered in this website. You can also see which member enrolled in a schedule.