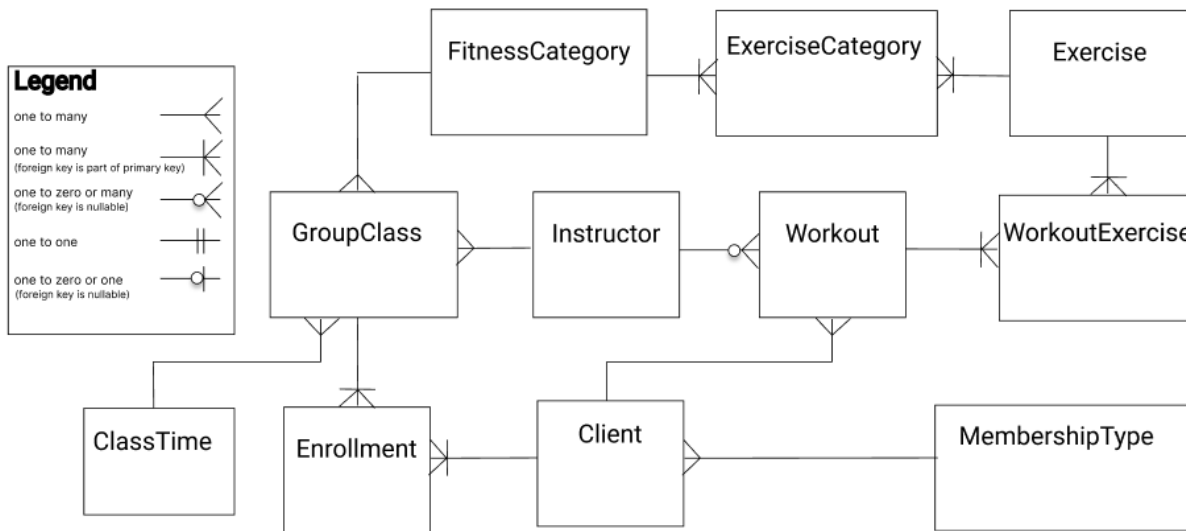


## Gym Management Data Model



### Instructions

Continue with the ASP.NET Core MVC Gym Management application from Part 3A.

- (15 Marks)** We need the ability to upload an image for Client when Creating or Editing.
  - A small thumbnail of the image can be shown right on the Index view for each Client.
  - A larger one (max size you define) should be on the Edit and Delete Views.
  - When Editing a Client, the user should be able to replace the image or just remove it.
- (25 Marks)** Add a Master/Detail page for Client Workouts. Create a controller & views based on Workout but name it something different.
  - The Client Detail information should be shown at the top of the Index View.
    - Include a collapsible list of Group Classes the Client is Enrolled in.
  - Show a listing of Workouts for the Client below the Client Details. Because the history of Workouts will grow to be very long, we will want to add sorting, filtering and paging to the list.
    - This list should show the date, time and duration of the Workout, Instructor formal name or “No Instructor”, Notes and a collapsible list of the Exercises done in the Workout.
      - Since notes can be very long, just show the first few words of the note and allow the user to see the rest if they click on the displayed words.
    - Add sorting, filtering, and paging to the Workout list:
      - Sort by Date & Time and the Instructor.
      - Filter by selected Instructor or characters entered in the Notes.
        - BONUS:** Add two additional filters:
          - Filter for the start date/time within a range.
          - Filter by a selected Exercise that is included in the Workout.

3. Allow the user to set the page size they prefer for the workout list.
  - iii. The user must be able to do CRUD operations (add, update or remove) on Workouts, always returning to the Master/Detail page with the same Sort, Filter and Paging (SFP) parameters in place.
    1. Don't forget that the controller should use proper Try/Catch blocks and TryUpdateModel for Editing.
    2. When adding and updating a Workout, the user will need to be able to select all the Exercises incorporated in the Workout.
    3. Always show the name of the Client near the top of the page as you do CRUD operations on Workouts
  - c. Incorporate the Master/Detail page into the rest of the application:
    - i. It should function as the Details View for a Client and have links to either Edit the Client or return to the Client List with the same SFP parameters in place.
    - ii. After creating a new Client, the Master/Detail page should be displayed, allowing them to start adding workouts right away.

You will **not** hand in Part 3B. This work is in preparation for the next steps in Part 3 on the MVC Gym Management application.