

DevIncubator Management System

Development Track #1



1st week: You should create the UserProfile table with all needed constraints (remember! you must use only the table level constraints not the column one).

UserProfile	
PK	<u>UserId</u>
FK	DirectionId
	Name
	Email
	LastName
	Sex
	Education
	BirthDate
	UniversityAverageScore
	MathScore
	Address
	MobilePhone
	Skype
	StartDate

vUserProfile	
	UserId
	FullName
	Email
	Direction
	Sex
	Education
	Age
	UniversityAverageScore
	MathScore
	Address
	MobilePhone
	Skype
	StartDate

And you should implement the UserProfileView. Please, pay your attention to the **FullName**, and the **Age** fields, which are autocalculative fields. The **Direction** field is taken via join with the Direction table.

Also you need to create the **DeleteUser** procedure, which gets the UserId as an input parameter and delete the User entry.

Important note: all Foreign Keys constraints must be as **ON CASCADE DELETE / UPDATE**.

2nd week: After creating all needed data base objects, you should refresh the Application Entity model by use the LLBLGen (please, look the Development Workflow). Remember! The SQL Views don't have PKs, but Entity Framework requires the ones. You need to set the PK for your View manually. After that you should implement the Repositories for your Entries and add this ones to the UnitOfWork.

3rd week: Please, look your peace of the UI very attentively. As you can see, this is a simple grid with typical CRUD actions. You need to implement the User Data Transfer Object. There is one important note. When a new member is registered, one piece of data goes to Identity data base and another to the application data base. You should duplicate all needed data to the app db, and when a user login, you need to save the UserId in the Current Session object via retrieving the UserId by the Email.

Register

#	Full Name	Direction	Education	Start	Age		
1	Ivan Ivanov	Java	BSU	04.12.2017	21	Progress	Tasks
						Edit	Delete
2	Petya Petrov	.NET	BSUIR	10.12.2017	22	Progress	Tasks
						Edit	Delete

Ivan Ivanov

Name

Last Name

Direction

...

4th and 5th weeks: You should implement the MemberController with all needed actions, ViewModels, and Views. Look at existing SampleController, and do the same. The Create/Edit pages look similar, but Detail page needs to be as a read-only version. The Progress and Tasks buttons are the links to Progress grid and Member's Tasks grid. If this grids aren't implemented yet simple create this buttons without particular paths. When your partners make their piece of work, I will add all needed links to this buttons.

6th week: Test your area of responsibility very intensively and fix all bugs which will you get. Your part of application doesn't have a lot of dependencies from another parts, and you can work very freely. After this week you should provide a video demo with description of business logic of your part on English, of course.