

Dev Incubator

Dev Incubator Management System



Hi, dear friend!

I glad to see you in the 'Dev Incubator Management System' project (or more briefly- DIMS)! From this moment, you are a member of great developer team, where you will play a big role. Happy code!

What is the DIMS?

In the few words, it is a typical system for getting tasks and tracking your time. Like any other task tracking system, there are several user roles in the DIMS:

- As you might expect, the first one is the **Admin**. It's like a superman in this system, and of course, this role has a greater power.
- The second one is the **Mentor**. It's very tough too, but this one has a little less privileges.
- Thirdly, there is the Member. It's like you.

What can the roles do?

There is a one million dollars question: what can this roles actually do?

Please, look at the Compare Table and UI-prototype below:

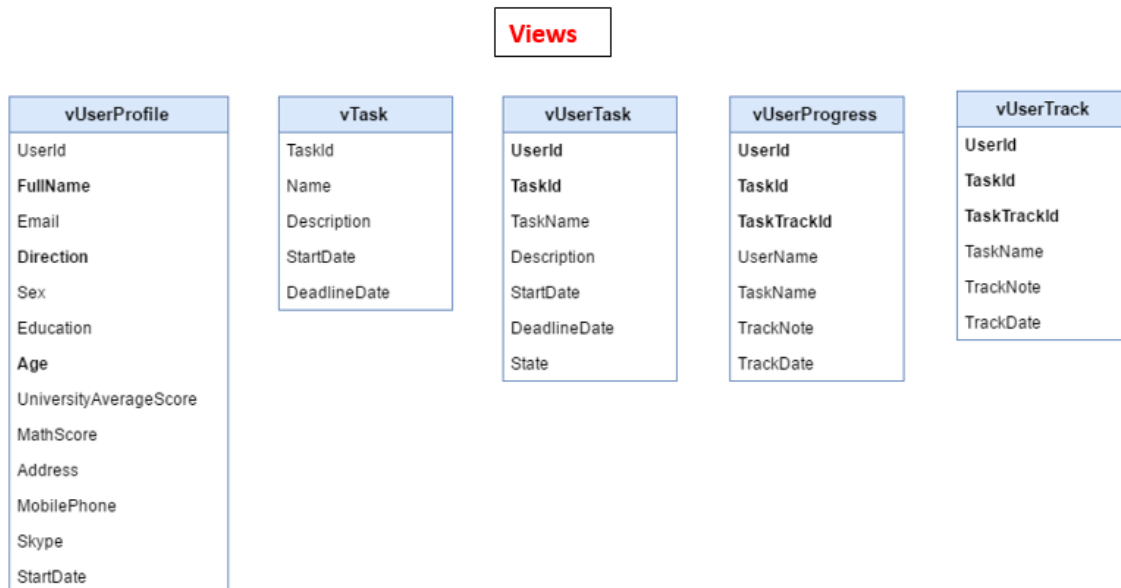
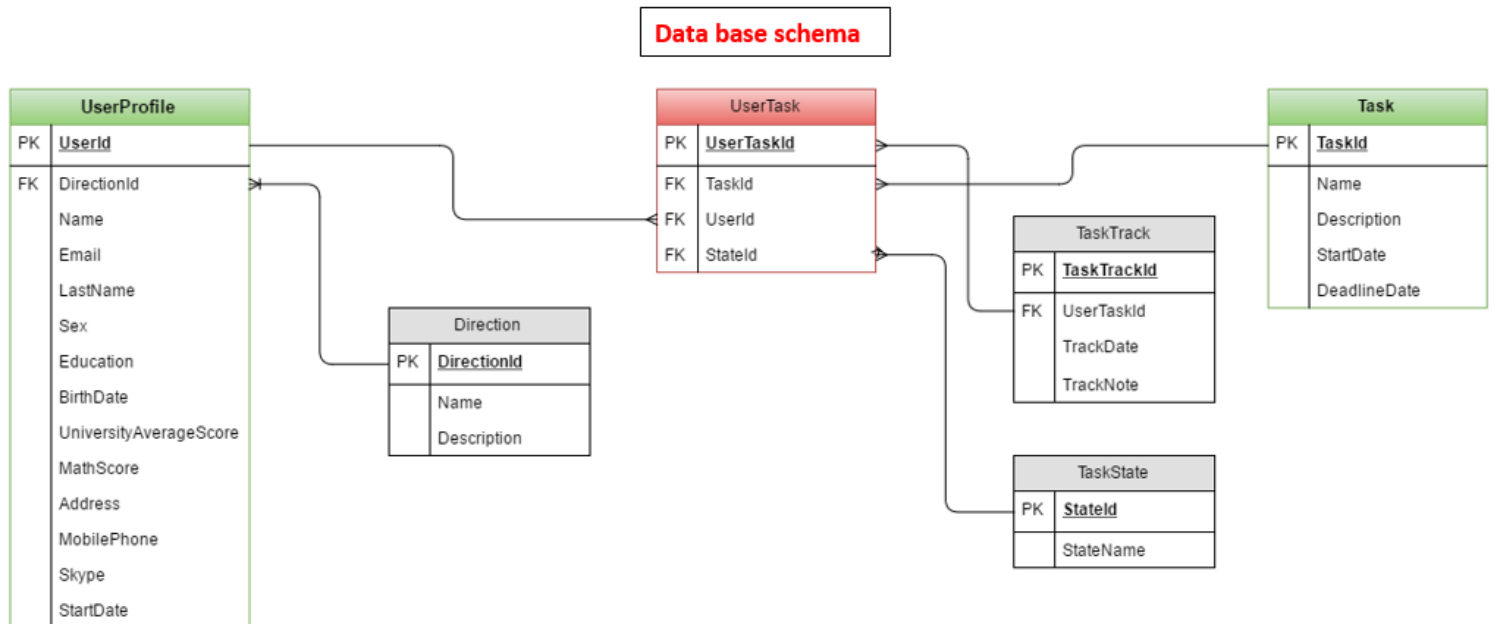
Function	Admin	Mentor	Member
Add, edit, and delete a member	+	-	-
Watch the Member's Progress grid	+	+	-
Watch the Task Detail page	+	+	+
Watch the Member's Task Manage grid	+	+	-
Set the task's state as Success or Fail	+	+	-
Add, edit, and delete a new task	+	+	-
Add, edit, and delete a track	-	-	+
Watch the Task Detail page	+	+	+
Watch the Task Track Detail page	-	-	+



As you can see, there are several typical CRUD grids, which implement all functionality from the table.

What is the db-schema?

The DIMS db-schema is based on standard relational database mode. There are 6 tables, 5 views, and 5 procs. Please, look at the picture below.



The system requirements:

Hardware:

- CPU: Intel Core i3 dual 2.2 GHz and high
- RAM: 4 GB +
- 30 GB free space on HDD or SSD

Software:

- Windows 10
- Visual Studio 17
- MS SQL Server 17
- Management Studio 17
- LLBLGen 5.3
- Git

Useful links:

1. Microsoft SQL Server 2012 A Beginners Guide 5 <https://www.amazon.com/Microsoft-Server-2012-Beginners-Guide/dp/0071761608>
2. C# 6.0 and the .NET 4.6 Framework <https://www.apress.com/la/book/9781484213339>
3. Pro ASP.NET MVC 5 <https://www.apress.com/us/book/9781430265290>
4. <https://app.pluralsight.com/library/courses/aspdotnet-mvc5-fundamentals/table-of-contents>