Vision Asp.Net.Core Assignment

New applicants who want to be accepted as apprentices of asp.net core(C#) developer at Vision Information Systems, must do the following item:

- **ToDo API**

In order to build a very basic model of ToDo management application, it is desired that the applicant do the following steps in a very acceptable manner:

In this such environment, first it is desired to understand the entities and the relationships between them and constructing a good model. So the honorable applicant should have the clear understanding of these in their minds. Two of the most important Entities is ToDo and Board. In every Board there can be multiple ToDos. A ToDo contains attributes such as title, done, created and updated timestamp. A board has just a name.

- o Please model these entities in relation with each other.(In any software. Just attaching the image will be sufficed.)
- o Then in the API functionalities, the following operations must be satisfied:

   - ➢ Listing all Boards.
   - ➢ Add a new Board.
   - ➢ Change a Boards title.
   - ➢ Remove a Board.
   - ➢ List all ToDo entities on a board.
   - ➢ List Only uncompleted ToDos.
   - ➢ Add a ToDo entity to a Board.
   - ➢ Change a ToDo title or status.
   - ➢ Delete a ToDo.
   - ➢ Consider checking a duplicate name for a ToDo item is not being saved into databse.(according to title and status and date of creating it, and in both insert and update operations)
- o User management and authentication are **not** required.
- o The database .mdb file (version: Sql Server 2012+) need to be attached.
- o Testing of all the api operation methods through a .html website.