**WEB DESIGN AND PROGRAMMING**

**BLM19417E**

**MIDTERM HOMEWORK REPORT**

**Subject:** Survey System
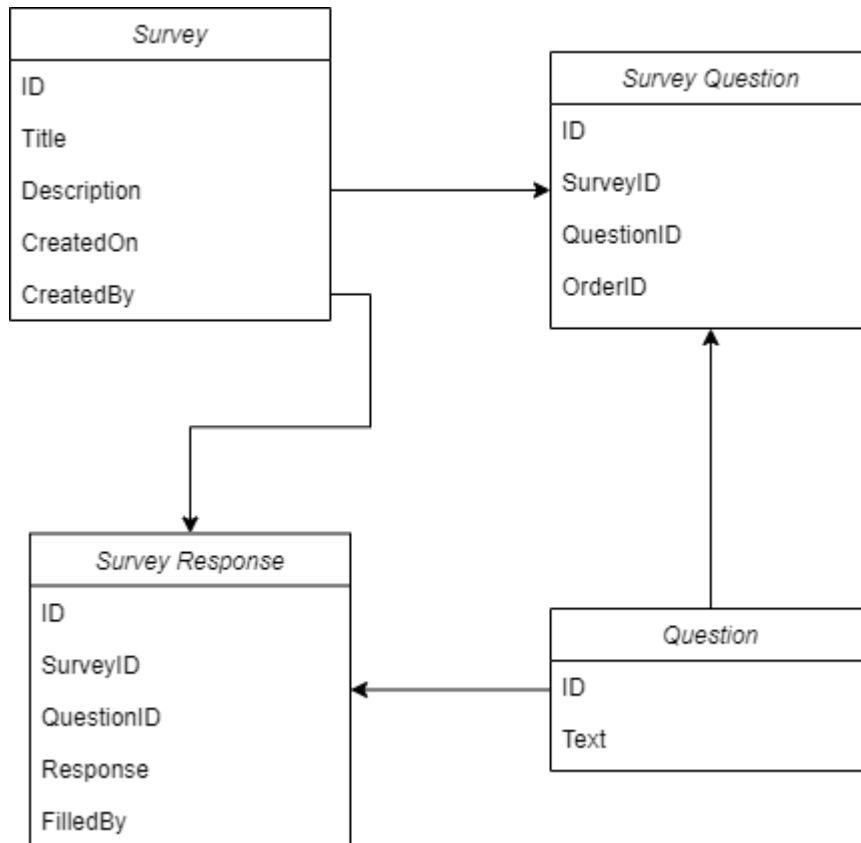
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## ● DataBase Model



## ● Rules

1.  If a user wants to delete a survey, related SurveyResponse and SurveyQuestions will be deleted.
2.  Everyone can create a survey and solve the created surveys.
3.  Everyone can add questions to a survey that is already created.
4.  A question can't add more than one.
5.  A question can be in more than one survey.
6.  If a user deletes a question, related SurveyQuestions and SurveyResponses will be deleted.

## ● Models

1.  **Survey** : This model stands for a survey that will be created.
2.  **Question** : This model stands to store all questions in the app.
3.  **SurveyQuestion** : This model stands for the question of a particular survey.

4. **SurveyResponse** :This model stands for the responses of a particular question of a survey.

- ## Controllers

  1. **SurveyController** : This object handles functionality and CRUD operations for Survey model and it manages data passing to related views.
  2. **QuestionController** : This object handles functionality and CRUD operations for Question model and it manages data passing to related views.
  3. **SurveyQuestionController** : This object handles functionality and CRUD operations for SurveyQuestion model and it manages data passing to related views.
  4. **SurveyResponseController** : This object handles functionality and CRUD operations for SurveyResponse model and it manages data passing to related views.

- ## Views

  All models has default Index, Create, Update, Details, Delete views. SurveyResponseController has two more views which are SelectSurvey and SolveSurvey.

  SelectSurvey : When a user wants to solve a survey this page loads and handles required inputs.

  SolveSurvey : When a user selects a survey, this page loads its questions.