Developer manual

The application is divided into layers:

1. Data base layer:

The database section contains several functions

- **Add Question:**

  1. AddSlider
  2. AddSmile
  3. AddStar
  4. AddQuestion

This functions for add question in any type in database.

- **Edit Question:**

  1. EditSlider
  2. EditSmile
  3. EditStar
  4. EditQuestion

This functions for edit question in any type from database.

- **Delete Question:**

  1. DeleteSlider
  2. DeleteSmile
  3. DeleteStar
  4. DeleteQuestion

This functions for delete question from database.

- **GetQuestionFromDataBase:**
  This function for get question from database.

2. Operation Manger layer:

   `This section connects the database and (UI) layer.`

3. User interface layer:

   This section is for interacting with the user and contains several buttons and a display screen, and this section takes data from operation manager `and` here also check the conditions of each variables for each question.

4. BaseLog layer:

   This layer for print the errors for any layers in logfile using function Log().

5. Question layer:

   This layer divides the question into several types: slider, smiley, and star for each type have class and inherited question, each class have some variables.

This is Diagram for layers:

```
┌─────────────────┐        ┌─────────────────┐        ┌─────────────────┐
│     BaseLog      │──────▶│     Survey       │◀──────│    Question      │
└─────────────────┘        └─────────────────┘        └─────────────────┘
                                    ▲│
                                    │▼
┌─────────────────┐        ┌─────────────────┐
│     Global       │──────▶│  OperationManger │
└─────────────────┘        └─────────────────┘
                                    ▲│
                                    │▼
                           ┌─────────────────┐
                           │ DataBaseConnection│
                           └─────────────────┘
```