Models Documentation:

**UserProfile:**

Purpose: The UserProfile model represents a user profile in the application.

Fields:

idname: A character field with a maximum length of 250 characters. It is used to store a unique identifier for the user.

display\_name: A character field with a maximum length of 250 characters. It stores the user's display name.

email: An EmailField to store the user's email address.

phone: A character field with a maximum length of 20 characters. It stores the user's phone number.

Relationships:

None

**Question:**

Purpose: The Question model represents a question in the application.

Fields:

question: A TextField to store the actual question text.

option: A TextField for the option of the question.

answer: A TextField to store the correct answer to the question.

explain: A TextField to provide an explanation for the answer.

Relationships:

None

**FavoriteQuestion:**

Purpose: The FavoriteQuestion model represents a relation between a user and a favorite question.

Fields:

user\_id: A ForeignKey to the UserProfile model, representing the user who marked the question as a favorite.

question\_id: A ForeignKey to the Question model, representing the question that is marked as a favorite by the user.

Relationships:

Each FavoriteQuestion object has a one-to-one relationship with a UserProfile (user\_id) and a Question (question\_id).

**ReadQuestion:**

Purpose: The ReadQuestion model represents a relation between a user and a question they have read.

Fields:

user\_id: A ForeignKey to the UserProfile model, representing the user who read the question.

question\_id: A ForeignKey to the Question model, representing the question that the user read.

Relationships:

Each ReadQuestion object has a one-to-one relationship with a UserProfile (user\_id) and a Question (question\_id).

Note: The UserProfile model doesn't have any direct relationship with the Question model. The FavoriteQuestion and ReadQuestion models establish a relationship between users and questions by using ForeignKeys to reference the UserProfile and Question models, respectively. This allows the application to track which questions are marked as favorites by which users and which questions are read by which users.