Legend (Title box)

Title
PK
FK
field

Entity: Relations (UserRelations relation)

UserRelations attributes:
UserId
RelatedUserId (UserId)
RelationId
DateCreated

RelationName
- Bff
- Friend
- WatchList
- Blocked

Relations
RelationId
RelationName

Entity: Users

Users
UserId
Username
Email
Role
DateCreated
Password
PasswordSalt

Role
- Admin
- Moderator
- Player

creator — played

Entity: Themes / Achievements

ThemeName
- History
- Literature
- Art
- Music
- Movies
- Geography
- Astronomy
- Wild Life
- Chemistry
- Phisycs
- Biology
- ...

Themes
ThemeId
ThemeName

Achievements attributes:
ThemeId
UserId
Level

Entity: Quizzes

Quizzes
QuizzId
UserId
DateCreated
DateEdited

created

QuizzQuestions attributes:
QuizzId
QuestionId

Entity: PlayedQuizzes

PlayedQuizzes
PlayedQuizzId
UserId
QuizzId
DateAnswered
TotalPoints

answered

Entity: Questions

Questions
QuestionId
UserId
ThemeId
QuestionText
Difficulty
Points
Status
DateCreated
DateEdited

created

Entity: Answers

Answers
AnswerId
QuestionId
AnswerText
RightAnswer
DateCreated
DateEdited

Entity: PlayedQuestions

PlayedQuestions
PlayedQuestionId
UserId
QuestionId
DateAnswered
GotItRight
Points

answered

Core tables
Main app tables - app wouldn't work at all without them.

Users   Questions   Answers
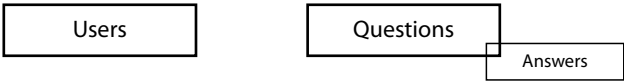
Many to many tables
Tables that establish a relation between others - composite keys.
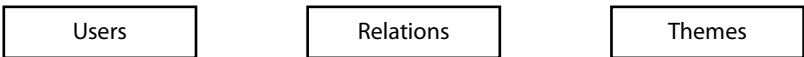
UserRelations   Achievements   QuizzQuestions
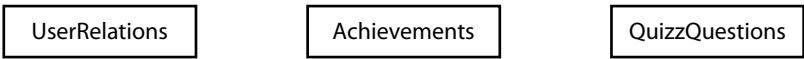
History tables
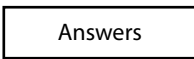Tables that store the users' played quizzes and questions, with obtained points and date of the answer.

PlayedQuizzes   PlayedQuestions

Autonomous tables
Tables without foreign keys.

Users   Relations   Themes

Support tables
Only exist to extend another single table

Answers

Make Db check to unable Adim being blocked by anyone
Make all users block admin by default (not visible/editable/deleteable)