# Relational Model

Tutors(TutorID, SubjectID, Name, Room)

Primary Key: TutorID

Foreign Key: SubjectID references Subject(SubjectID)

Subjects(SubjectID, SubjectName, Building, Latitude, Longitude)

Primary Key: SubjectID

Keepers(KeeperID, Name, Username, Password, Salt)

Primary Key: KeeperID

Games(GameID, SubjectID, GamePin, KeeperID, Active)

Primary Key: GameID

Foreign Key: KeeperID references Keeper(KeeperID)

Foreign Key: SubjectID references Subject(SubjectID)

Teams(TeamID, TeamName, SubjectID, GamePin, TutorID)

Primary Key: TeamID

Foreign Key: SubjectID references Subject(SubjectID)

Foreign Key: TutorID references Tutor(TutorID)

Results(ResultID, TeamID, StartTime, FinishTime, Letters)

Primary Key: ResultID

Foreign Key: TeamID references Team(TeamID)

Questions(QuestionID, SubjectID, Building, QRLocation, QRText, Question, Answer, Latitude, Longitude, Letter, LetterIndex)

Primary Key: QuestionID

Foreign Key: SubjectID references Subject(SubjectID)

QuestionsAnswered(QuestionID, TeamID, TimeObtained)

Primary Key: QuestionID

Primary Key: TeamID

Foreign Key: QuestionID references Questions(QuestionID)

Foreign Key: TeamID references Teams(TeamID)

Notifications(NotificationID, GamePin, TeamID, Time, Action)

Primary Key: NoticationID

Foreign Key: TeamID references Teams(TeamID)

# Entity Relational Model

