# Group Project: Part 2

**1)**

**Fields:**

**Organization:**

organizationName–The name of the organization

organizationAge – The age of the organization.

organizationChampionships –The amount of championships the organization has won.

organizationPayroll–The amount paid towards the players in the organization

organizationColors–The organization's primary colors

organizationMascotName–The mascot's name of the organization if applicable

**City:**

cityName–The name of the city

cityState–The state of the city

cityCountry–The country of the city

cityAge–The age of the city

cityMarket–The market size of the city. This describes how much money the city can bring in from the nba market.

**Player:**

playerName–The name of the player

playerHeight–The height of the player

playerPosition–The position of the player

playerPreviousTeam–The previous team of the player if applicable

playerCollege-The player's college if applicable

playerNumber–The jersey number of the player

playerSalary–The amount the player was paid in the 2021-2022 NBA season

**Coach:**

coachName–The name of the coach

coachAge–The age of the coach

coachStyle–The coaching style of the coach. For example, if the coach likes to play fast, or if the coach prefers a more slow approach

coachPreviousTeam–The coach's previous tenure with another team

coachSalary–The salary of the coach

**Front Office:**

frontFirstName–The first name of the front office staff

frontLastName–The last name of the front office staff

frontCollege–The college the front office staff attended

frontAge–The age of the front office staff

frontPosition–The position of the front office staff. For example, if the instance of the staff was the general manager, or the CEO of the organization

**Arena:**

arenaName–The name of the arena

arenaAge-The age of the arena

arenaOpenDate–The date of which the arena opened

arenaAddress–The address of the arena

arenaSponsor–The sponsor of the Arena

arenaSeatCapacity–The seat capacity of the arena

**2)**

organizationName – varchar(20)

The attribute organizationName represents the name of the organization with the respected organizationID primary key.

organizationAge – INT

The attribute organizationAge represents the age of the organization with the respected organizationID primary key.

organizationChampionships – INT

The attribute organizationChampionships represents the amount of championships won with the respected organizationID primary key.

organizationPayroll – INT

The attribute organizationPayroll represents the organization's payroll with the respected organizationID primary key.

organizationColors – varchar(10)

The attribute organizationColors represents the organization's primary colors with the respected organizationID primary key.

organizationMascotName – varchar(20)

The attribute organizationMascotName represents the name of the organization mascot with the respected organizationID primary key.

cityName – varchar(20)

The attribute cityName represents the name of the city with the respected cityID primary key.

cityState – varchar(20)
The attribute cityState represents the state the city resides in with the respected cityID primary key.

cityCountry – varchar(20)
The attribute cityCountry represents the country the city resides in with the respected cityID primary key.

cityAge – INT
The attribute cityAge represents the age of the city with the respected cityID primary key.

cityMarket – varchar(5)
The attribute cityMarket represents the market size with the respected cityID primary key.

playerName – varchar(20)
The attribute playerName represents the player's name with the respected playerID primary key.

playerHeight – varchar(5)
The attribute playerHeight represents the player's height with the respected playerID primary key.

playerPosition – varchar(2)
The attribute playerPosition represents the player's position with the respected playerID primary key.

playerPreviousTeam – varchar(20)
The attribute playerPreviousTeam represents the player's previous team with the respected playerID primary key.

playerCollege – varchar(20)
The attribute playerCollege represents the player's college with the respected playerID primary key.

playerNumber – INT
The attribute playerNumber represents the player's jersey number with the respected playerID primary key.

playerSalary – INT
The attribute playerSalary represents the player's salary with the respected playerID primary key.

coachName – varchar(20)
The attribute coachName represents the coach's name with the respected coachID primary key.

coachAge – INT
The attribute coachAge represents the coach's age with the respected coachID primary key.

coachStyle – varchar(20)
The attribute coachStyle represents the coach's style with the respected coachID primary key.

coachPreviousTeam – varchar(20)
The attribute coachPreviousTeam represents the coach's previous team with the respected coachID primary key.

coachSalary – INT
The attribute coachSalary represents the coach's salary with the respected coachID primary key.

frontFirstName – varchar(20)
The attribute frontFirstName represents the front office staff's first name with the respected frontID primary key.

frontLastName – varchar(20)
The attribute frontLastName represents the front office staff's last name with the respected frontID primary key.

frontCollege – varchar(20)
The attribute frontCollege represents the front office staff's college with the respected frontID primary key.

frontAge – INT
The attribute frontAge represents the front office staff's age with the respected frontID primary key.

frontPosition – varchar(20)
The attribute frontPosition represents the front office staff's position with the respected frontID primary key.

arenaName – varchar(20)
The attribute arenaName represents the arena's name with the respected arenaID primary key.

arenaAge – INT
The attribute arenaAge represents the arena's age with the respected arenaID primary key.

arenaOpenDate – varchar(20)
The attribute arenaOpenDate represents the arena's open date with the respected arenaID primary key.

arenaAddress – varchar(50)
The attribute arenaAddress represents the arena's address with the respected arenaID primary key.

arenaSponsor – varchar(20)
The attribute arenaSponsor represents the arena's sponsor with the respected arenaID primary key.

arenaSeatCapacity – INT
The attribute arenaSeatCapacity represents the arena's seat capacity with the respected arenaID primary key.

**3)**

An organization **must** have at least 13 players signed.
Each player **must** be only signed to one organization.
An organization **must** have a city to belong to.
A city **may have many** organizations.
Coaches **may coach many** players.
Players **must have** at least one coach.
An organization **must** have one arena.
An arena **may** have many organizations.
The front office **must** work for one organization.
An organization **must** have one front office.
An organization **must** have at least one coach.
A coach **must** belong to one organization