



#### Additional Assumptions:

- Colors must have a name.
- Fans must have a unique name (they can use nicknames/usernames, so this isn't unreasonable).
- There cannot be multiple players with the same name on the same team.

#### Discussion of colors options:

- Colors as entity: **SELECTED**
  - Pros: Easy searching for colors. Easy to add HEX codes later
  - Cons: Complex
- Colors as attributes only:
  - Pros: Initially simple
  - Cons: Difficulty searching. Encourages imprecise naming of colors. hard to expand.

#### Discussion of Captain options:

- IS A relationship
  - Pros: Enforces "only one captain"
  - Cons: Complicated, captain isn't forced to associate with same team
- "Player for" attribute **SELECTED**
  - Pros: Simple, doesn't add a new table, enforces "captain plays for same team"
  - Cons: "Only one captain per team" isn't enforced
- Separate relationship between Player and team
  - Pros: Only slightly complex.
  - Cons: Doesn't enforce "only one captain" or "captain plays for same team"
- Player attribute
  - Pros: Dead simple
  - Cons: Doesn't enforce either constraint