Table Tennis Tournament

1. Class Match

- Captures match number
- Captures the set number
- Sets the match type(Singles or Doubles)
- Sets the entity Venue
- Captures the playing entities(Team or Player)
- Sets umpire(an employee who is not in any of the playing teams given that there are at least two teams.)
- Stores the score of teams individually
- Updates the winning score(2-1, etc.)
- Captures the winning entity(Team or Player)
- Captures entity Schedule
- Captures entity Pool
- Captures entity Venue

2. Class Venue

- Having the venue name
- Having the table number
- Returns entity Venue for respective Match

3. Class Employee

- Sets the employee details:
 - -Employee ID
 - -Name
 - -Age
 - -Email ID

4. Class Player

- Extends entity Employee
- Captures team name
- Registers a player in tournament one time only

5. Class Team

- Sets the team name
- Creates a list of players
- Captures the winning score

6. Class PointsTable

- Captures entity Team
- Captures the list of entity (Team)
- Sorts list of team by respective scores
- Returns the list of points.

7. Class Schedule

- Dependent on entity Pool
- Sets details of entity Match
- Captures the time and date

8. Class ScoreBoard

- Captures the entity Schedule
- Generates scoreboard consisting scorecard of every match according to schedule

9. Class Pool

- Captures the list of entity Teams
- Divide teams in different Pools
- Returns list of entity Teams in respective Pool

10. Class TableTennisTournament

- Sets the tournament details:
 - -Name of tournament
 - -Year
 - -Start and end date of respective tournament
 - -entity Category
- Displays the following:
 - -entity Scoreboard
 - -entity Schedule
 - -entity Points Table

11. Class Category

Captures the category

12. Class Singles

- Extends entity Category
- Captures gender

13. Class Doubles

- Extends entity Category
- Captures mixed Category
- Captures gender