Item 1 – Overview of Project:

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Project Phase 1

Women’s College Golf Database

My database/warehouse that I will be creating is to record collegiate golfer’s scores and tournament locations. It will include details about the courses, tournaments they are playing at, what team athletes are on, and scores recorded at specific tournaments. The end goal of this data warehouse is to extract enough data from these athletes to produce an overall scoring average for the tournaments they competed in.

Item 2 – Requirements:

1. A region table must be created to determine where golf courses are located. Each region will have a region ID and a region name. Regions can have multiple golf courses located within them.
2. A golf course table must be made to show what course hosted each tournament. For this specific database, (in real-life this could be different but is true for this case), each course may only host one tournament. Each course will have a course ID, recorded zip code, region ID (foreign key), and course name. Each golf course may belong to one region only and can only host one tournament.
3. A team table will be recorded to determine what school a player is from. Each team must at least one golfer. Teams may have an unlimited number of players. Each team will have a team ID, team name, and team average.
4. A player table will be made so that scores can be associated to individual players for whatever tournament they may be playing at. A player must compete in at least one tournament and can participate in multiple tournaments. They belong to one team. The player table will include a player ID, a player name, and a team (FK).
5. The tournament table will be created so that each tournament can be uniquely identified. Each tournament will be assigned a tournament ID, a course ID (FK), tournament date, and the time at which the tournament started. Each tournament can host several players and can only belong to one course.

Item 3 – ER Diagram:

Diagram

Description automatically generated

Item 4 – Relational Schema:

Graphical user interface

Description automatically generated