**Purpose**

The purpose of the app is to link my personal golf stats to statistics of tour players. As I set goals for myself and progress, I hope that this can be a good improvement tool. Afterwards, I will be sorting the data in various ways and I will be comparing the results.

What should the app able to do?

* Use CLI’s interactive prompt to enter data into “Personal Statistics 9/18 hole” table
* Use CLI’s interactive prompt to enter data into “Personal Practice” table
* Pull and save API data from Sportradar’s API into table
* Select player to compare myself to
* Average different tours/players stats to compare myself
* A few ways to sort the data and compare the sort times
* Set goals and track improvement
* Improvement over time for specific hole

**Stakeholder and Audience**

* For now, the application will be for personal use.

**Data Sources**

* Sportradar’s Golf API
* Personal 9/18 hole statistics
* Personal practice statistics

**Tables Used**

* Players: Get info about all players
  + Have to figure out what to pull from the Player Profiles table
* Player Profiles: Stat for a single player (decide how important this info is)
  + Birthplace CHAR(255)
  + Birthday DATETIME
  + First Name
  + Id
  + Last Name
  + Rank
  + Prior Rank
  + Year Turned Pro
  + Residence
  + College
* Player Statistics: Stats for all players
  + Average Driving Distance
  + Drive Accuracy Percentage
  + Greens in Regulation
  + Strokes Gained Putting
  + Strokes Gained Tee to Green
  + Strokes Gained Total
  + Birdies Per Round
  + Proximity to Hole Average
  + Putting Average
  + Sand Save Percentage
  + Scoring Average
  + Hazard Percent
* Personal 9/18 hole: Tracking rounds played
  + Average Scores
    - Par 3
    - Par 4
    - Par 5
  + Handicap
  + Score on every hole
  + Putts on every hole
  + Greens in Regulation on every hole
  + If fairway was Hit of every hole
  + Location
  + Date
  + Total Score
  + Numbers of Sand Save/Miss on Hole
    - Success/total – cumulative or rolling?
    - Hole 1 1/3
    - Hole 2 1/3
    - 18 column of successes and 18
    - Long table
    - Different table?
    - Model based on hole?
    - Day 1 3/5 .6
    - Day 2 2/5 .4 5/10 .5
  + Number of Hazards Save/Miss on Hole
  + Proximity to Hole for Every Hole
  + Scrambling for Every Hole
  + Notes
  + Goals
* Personal Practice: Tracking sessions at driving range
  + Location
  + Date
  + Total Score
  + Number of Fairways Hit
  + Notes
  + Greens in Regulation
  + Scrambling
  + Putts
  + Sand Save Percentage
  + Hazards
  + Proximity to Hole
  + Missed By Direction
    - Left
    - Right
    - Long
    - Short
  + Goals

**Dependencies**

* Sportradar’s Golf API
* MySQL Database
* Python

**Considerations/Difficulties/Decisions (Ongoing)**

* Layout of “Personal Statistics 9/18 hole” table
  + How do I make it not as cumbersome?
  + How do I account for multiple hazards and sand?
* Layout of “Personal Practice” table
* How do I calculate proximity to hole?
* How should I sort the columns?
* Should I use association tables?
* How will I be structuring my Python code?
  + Classes?
  + Methods
  + Attributes
* How will I initialize and validate the database and entries
* Is there a Evernote API?
* Should I include web scraping?
* Shape of API
* Change into tables
* Sort columns by importance?
* What to do with calculated data?
* Do I want to create a new table for total averages?
* Lay out other data sources
  + What else would I need or changes that I need to do?
* Consider scope of what I’m building
* Normal form?