* Create an online health tracker (html+Python). The tracker will allow users to enter daily information about exercise, calories, weight, etc. The data will is recorded. Users can access the historical data and see how the values changed over time.

**The mid point check-in, presentation of initial findings should include the following information:**

* Provide a 2-3 paragraph description of your progress on the final project.
* The first paragraph should describe your idea for the project. What you plan to achieve and what will be the final product.
* The remainder of the report should focus on what you accomplished so far and what is your progress.
* At this point you are expected to have completely finalized idea what you plan to create, and already started to design the solution.

**The presentation should include the following information:**

* 5-8 minutes in length (depending on number of presentations). While the format for your presentation is ultimately your decision, the key is to make it engaging and explanatory for your audience. Some suggestions would include (but aren't limited to) basic information presented on slide with a screencast on the functionality, showing of source code, execution of program, etc.

**Project Report Guidelines - The final project deliverables consists of three elements:**

1. Final report
2. 7-10 minute presentation to be shared with your class (via the discussion forum)
3. Working Python program as described in (1) and (2)

**The final report should include the following information:**

* Background and problem description (2-3 paragraphs or more)
  + Describe what problem you are solving, why it is important, what you want to accomplish by programming it in Python, etc.
* Design of the solution (as needed)
  + In this section include al information about how the Python program is designed, how intersection with users work, what libraries are you using and why, should the code be executed on server or at client computer, etc.
* Implementation
  + Describe all details of implementation of the program. Include most important parts of source code and describe how the code works.
* Testing (as needed)
  + Present results of testing, use of the program you wrote. Include example user sessions, input/output form the program, all plots charts, and other things you prepare.
* Conclusions & Future Work (2-3 paragraphs or more)
  + Present conclusions from your project. Include information about what you learned by doing it. Discuss future work and possible extensions.
* References
  + Remember to include references to all materials that you used, including source code, tutorials, libraries, etc.

**\*Please note\* While it is normal to look up solutions on the web and look up example solutions to specific tasks, it is unacceptable to copy someone else's code and use it as your project. The code needs to be yours and only small parts can be based on work you found. Moreover, you need to know how it works.**

**Deliverables:**

* Topic Selection Submitted to Instructor
* Mid Point Check-In, Presentation of Initial Findings to Instructor
* Report
* Working prototype (i.e. working Python code)
* Presentation