

CIS 192 Project Description

- Your final project is very open-ended. This is an opportunity to build that app you've always wanted! Show off what you've learned.
- Should be about 10 hours of work per person
- You may work **alone or in pairs**, but no groups bigger than two.

Deadlines

- **Proposal** due Sunday April 5th at 23:59
 - 150-400 word description of what you plan to make
 - Include the names of all group members
 - Make one fork of the cis192.s.2015/final_project repo per group
 - Submit a Pull Request as usual to submit your proposal
- **Final Code of Project** due Wednesday April 29th at 23:59
 - Submit a Pull Request with all the necessary code to run your project
 - Also include a README.txt explaining how to run the project

Potential Ideas

- Graphical or Text based Game
- App that finds lyrics on the web for .mp3 files
- Use a web REST API (Dropbox, Twitter, Facebook, ...)
- Use Python to implement something you are learning about in another class

Requirements

- Define and use a custom class
 - Ok to inherit from something other than object
 - Define and use at least one magic method (__init__ does not count)
- Use at least three modules we talked about in class
 - functools, os, itertools, random, re, sys, math, datetime, random, heapq, requests, BeautifulSoup, flask, json, pickle, numpy, scipy, sympy, matplotlib, pandas, tkinter, pillow, curses

- At least one of
 - Define and use a custom decorator
 - Define and use a generator function (Use the yield keyword)
- Documentation
 - A README.txt file
 - Explain how to use your app
 - Indicate how you meet the requirements (the modules you used, ...)
 - Names of all group members

Grading

- 40% correctness (does it work?)
- 30% style
- 20% content (how ambitious / interesting is it?)
- 10% documentation