Coding 101: Final project

Due: Monday, August 2ⁿᵈ, 2021 (Submit on Canvas/Replit)

Description

In the past two weeks of our Coding 101 program, we've practiced quite a few new skills. We built and styled a personal website on Github, we walked through the design, prototyping, and pitching of an app, and we've learned both beginner and advanced coding concepts in Python. For our final project, you will continue to work on one of the skills we've acquired.

There are three main options:
- Build on your personal website
- Design, prototype, implement, or pitch a mobile/browser app
- Code a Python project (other languages also allowed)

You will submit a project write-up explaining the project you chose, and you will answer a few questions. Depending on which final project you choose to complete, you will need to submit specific requirements (none of the project options are intended to be more difficult than others - but the 'requirements' will be different for a coding project vs. a design project). Please read the final project documentation carefully.

You should pick a final project that is challenging, yet feasible to complete. If you don't finish by the end of the day, you may still submit your progress, **but you must describe in your project write-up how you plan to finish**. I will give everyone a full week to submit their project on Canvas for those who wish to have more time.

I will give feedback for each individual project submitted through Canvas/Replit. I also plan to have your projects featured on our course website next month, if you choose to have your project included. I would love to have a showcase of everyone's projects to share amongst ourselves! Therefore, try to create something you're proud of!

Projects

To view the options for your final project and a description of each project, go to this Google document. You can also find a PDF of the same document in Canvas under Files/Final_Project/Final_project_ideas.PDF.

Requirements

You will be required to submit a project write-up describing your project and filling out the required sections by next Monday, August 2nd, 2021. The write-up must be at least 1 page of written content, plus images or screenshots appended as a 2nd page. If you complete a coding project, you should submit your Python files through Replit. Overall, please don't worry about spending too much time on this project write-up, I care much more about you working on the actual code / website / app design.

I highly encourage those of you who feel comfortable presenting to please present your completed or in-progress final project, or app pitch, today at 4pm EST. It would be really great to have some fun with this! Our presentations don't need to be formal - you could either share your screen and show your code/program, show your sketches, show your website / app, talk through your app, etc.! **For those of you who present, I promise there will be a reward** (if you have ideas for 'rewards'...let me know).

If you cannot attend our final project presentations at 4pm, you are free to record a presentation of yourself explaining your project and submit the recording on Canvas, however, it is not required.

Submission

You will submit your project write-up containing ½ - 1 page of text, plus relevant images or screenshots directly to Canvas. You must submit your write-up (and Replit, if you choose a coding project) by next Monday, August 2nd, 2021. You may submit your write-up in any format you want, including PDF, .docx, PPT, etc.

In your submission, please indicate if you would NOT like your project to be showcased on our course website next month. You are completely free to "opt out." I will send everyone an update over Canvas/email by the end of summer with a link featuring all of our final project submissions!

Files provided

[Link to all final project ideas](#)
- Available in Canvas under Files/Final_Project/Final_Project_Ideas.PDF

[Link to project write-up template](#)
- Available in Canvas under Files/Final_Project/Final_Project_Writeup.docx

FAQ

Do I need to submit a final project?
Absolutely yes. You must, at the very minimum, complete one of the projects listed here, in addition to completing the project write-up. Submit the write-up and any other relevant files to Canvas by next Monday, August 2nd, 2021.

How do I submit the final project if I worked in a group?
Each group member should submit their own project write-up to Canvas, with any relevant files you worked on in the group. However, you are all free to work on the project write-up together. Please include in your project write-up your group teammates' names, and what part of the project *you* worked on in the group.

How do I submit the final project if I work alone?
You will submit a project write-up with any relevant files to Canvas.

Can I use Python libraries for the final project?

Yes, you're free to use whatever resources you'd like. However, I would suggest using libraries and modules to *enhance* your project, not to do all the heavy lifting. Remember, use this project as a creative and challenging opportunity.

Can I submit at the end of the day instead of next week?
Yes, you are free to submit at the end of the day today. Just be sure to submit the project write-up as well! If you choose to re-submit again later, that is also completely fine.

Can I submit later than today?
Yes, I will leave the submission on Canvas open until next Monday, August 2nd, 2021 to give you time to finish.

What do I submit?
You will need to submit a write-up answering the questions in the template. If you are doing a coding project, please submit your code in Replit (or "invite" me to your project).

How will I receive my grade?
Ashley will be giving feedback for each project over the next few weeks, as submissions continue to come in.

Can I submit something in-progress or should it be complete?
You are free to submit something "in-progress", but it should be clear you made progress on your project today. Either finish a reasonably do-able project (given your experience with coding), or spend the day tackling a harder problem that you intend to finish at a later date.

If you submit something in-progress, you **must** include in the project write-up a description of how you plan to finish your project on your own time at a later date. Even if you don't or can't finish your project today or within this week, please don't give up on it! It will be great if you can show a

completed final project on your resume, Github, internship and/or college application.