

Introduction to Engineering Design

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Class website: <https://github.com/jlwgong/hangman>

Hello,

Thanks everyone for such a great three weeks! I've had a great time in Kazakhstan and at NIS Karaganda! I am sad that we will not get to say goodbye in person, but I want to thank you all for making this such a great experience for me. I was and am impressed by all of your passion and creativity. You are all incredibly smart and have bright futures ahead of you, and it was a pleasure to teach all of you these last three weeks. I hope you've all enjoyed your breaks at home!

I'm disappointed that we will not get to finish our projects, although I encourage all of you to continue working on them during your own time. I was excited by the progress that you all had made and hope that you are able to finish them! The project plans that we completed in the second week should hopefully serve as a blueprint of how you all can continue to work on them. (System → Subsystems → Requirements)

I have updated the GitHub website with all the materials from the class including the lecture slides and the code we used in class. I have also included two completed sample projects (Tic Tac Toe and Hangman) in the "Python code" folder that you can feel free to take a look at or make even better!

If you have any questions about finishing your projects please email me (jlwgong@mit.edu) and I'll help you through them. Or if you have questions about MIT, applying to American colleges, or anything else I'd also be happy to answer them as best I can!

I hope you found the course material interesting. The material we covered are things that real engineers and software developers think about and work on around the world. Even if you don't want to go into engineering professionally I really hope that it was interesting to learn about!

Thanks again for making my first time in Kazakhstan so enjoyable and I wish you the best of luck for the rest of the year and in the future!

Best,
Justin

More Python Resources:

1. Installing Python
 - a. Go to: <https://www.python.org/downloads/>
 - b. Choose your operating system
 - c. We were using Python 2.7 in class, but if you can install Python 3.6 on your own computers its slightly better!
 - d. Search for “IDLE” in your computers once you download Python to get started!
2. Python documentation, a great reference for everything to do with Python!
 - a. <https://docs.python.org/3/>
3. More advanced Python
 - a. Pycharm: <https://www.jetbrains.com/pycharm/>
 - b. This is a more advanced version of “IDLE,” something I use for my own projects, if you’re really interested in getting more into Python check this out!
4. Practice problems
 - a. <http://www.practicepython.org>
 - b. Some example practice problems if you’re interested
 - c. Or just google search “Python practice problems” and you’ll find a bunch!