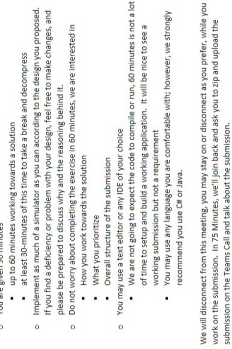


Produce a design for a toaster simulator. The design should support different types of toasters (e.g., 1-slot, 2-slot, 4-slot, etc.). The design should also simulate the cooking of various types of items (e.g., bagel, sandwich bread, Pop Tart, etc.) Feel free to add any other features you feel are important.

Consider the following:



The design should be in the form of a high-level fields and core methods.



We will disconnect from this meeting, you may stay on or disconnect as you prefer, while you work on the submission. In 75 Minutes, we'll join back and ask you to zip and upload the submission on the Teams Call and talk about the submission.



- A simulator class that will expect to be given a toaster, any toaster specific configurations, and items to toast. This simulator should then provide a mechanism to “toast” the item or items based on how your design handled that aspect of the simulation.

- o You are given 90 minutes
- o You have 15 minutes for answering Research questions, 10 minutes for answering the questions of the interview
- o You have 10 minutes to write a brief and decompress
- o You have 10 minutes to write a brief and decompress
- o Implement at least of a simulator so you can according to design you proposed.
- o If you find a deficiency or problem with your design, feel free to make changes, and please be prepared to discuss why and the reasoning behind it.
- o Do not worry about completing the exercise in 90 minutes, we are interested in how you think you can solve the problem and the solution
- o Do not worry about practicing
- o Overall structure of the submission
 - o You may use a text editor or any of your choice
 - o You may use a code editor or any of your choice
 - o We are not going to expect the code to compile or run, 40 minutes is not a lot of time to get going and start a working application. It will be nice to see a working application, but it is not required.
 - o You may use any language you are comfortable with; however, we strongly recommend you use C or Java.

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