

HW10 Warmup

Individual

Kiran Muthigi

Topic: Understanding how options work and how to buy/sell/call/put options

Positive feedback: Sarah liked that we tried to explain and quiz options without going into a lot of math and using graphs (denderdification). She also liked the mini-quizzes after each sub-topic.

Negative feedback: She recommended that while we are allowed to use external resources for the project, I should not solely rely on Khan Academy.

Benjamin Kolber

Topic: Fundamentals of Italian pasta sauces

Positive feedback: Good teaching interface, and interesting test structure. Sarah liked how i used the concept of a tree and nodes to teach cooking. She said it works nicely between a CS course and a non- CS topic

Negative feedback: Sarah did not have any negative feedback.

Silvia Vlachou

Topic: How to make chocolate chip cookies

Positive feedback: good teaching method, it's good that you present specific ingredients and baking tools and explain the reasons we use them

Negative feedback: the topic seems quite simple to teach on its own (it's something most people can do after reading a recipe). A topic around a specific ingredient or a tool (e.g., what we can make with flour, how to make desserts for parties, such as cakes and cookies) would be better.

Atul Balaji

Topic: Optimizers for Deep Learning

Positive feedback: Good division of information into modules, color-coded quiz feedback is good.

Negative feedback: Distribution of information is like a lecture. This topic is too complex to teach in 10 minutes. It is better to focus on one topic within optimizers by going into detail or change the topic.

Group

Prototypes to iterate on

1. **Topic:** Understanding how options work and how to buy/sell/call/put options

Focus on:

1. Building the structure for providing hints if the user is stuck.
2. Better navigation for the user if the user wants to go through only one part of the tutorial and then attempt the quiz.
3. If the user performs poorly on a sub-topic quiz, there should be additional pages to help them understand that sub-topic better. Not everyone learns at the same pace!

2. **Topic:** Fundamentals of Italian pasta sauces

Focus on:

1. The recipes we would like to teach
2. The structure of the tree, simplifying it and making sure it is maneuverable
3. Building the quizzing component, structuring the questions more interactively and making sure they are in sync with the Tree of Pasta