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Project Design

Complete the activity below for **at least** three of the topics you identified in the Learn, Solve, Make, Do activity. See the [Project Design activity](#) for examples.

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Topic: Financial Modeling (Make)

1. *Write down the general topic.*

Discounted Cash Flow (DCF) Model

2. *Add one or two specifics to the general topic area.*

DCF Model using excel calculates the intrinsic value of a stock using their cash flow and balance sheet.

3. *Turn the topic into a question and fine tune it. **Questions should not be yes/no or able to be answered with one or two words.***

Is a stock currently trading below value, at value or above value based on the DCF Model?

4. *Describe the final product you would have for a project that addresses this question.*

Create an DCF Model from scratch using an excel sheet. Evaluate one stock using the DCF model and determine if it is undervalued, valued correctly or overvalued.

5. *Share your idea with another person and get their feedback on your idea and take notes.*

“Great idea, very valuable to use the DCF model to get feedback on how stocks are trading right now in this economic condition. It is also going to benefit you having experience using the DCF model in your finance career.”

Topic: Bonds and Ratings (learn)

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1. *Write down the general topic.*

Bonds and Ratings + Mortgages Financial Crisis

2. *Add one or two specifics to the general topic area.*

Bonds + Mortgage + CDO (2008) Financial Crisis

3. *Turn the topic into a question and fine tune it. **Questions should not be yes/no or able to be answered with one or two words.***

How are Bonds and Mortgages rated? What was a CDO? And what caused the financial crisis of 2008?

4. *Describe the final product you would have for a project that addresses this question.*

A series of notes I take on the topics above in addition to a complete multimedia presentation at the end.

5. *Share your idea with another person and get their feedback on your idea and take notes.*

“A lot of topics to cover and learn about. However by completing this project you'd learn a lot about the financial markets, investment banks and the reason for the collapse of the housing market in 2008.”

Topic: Trading Algorithm (Make)

1. *Write down the general topic.*

Trading Algorithm

2. *Add one or two specifics to the general topic area.*

Trading algorithms help people navigate the market.

3. *Turn the topic into a question and fine tune it. **Questions should not be yes/no or able to be answered with one or two words.***

How can I make a trading algorithm to help navigate and predict the market.

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4. *Describe the final product you would have for a project that addresses this question.*

A complete trading algorithm with an explanation of how it functions. In addition test it out using a mock trading scenario.

5. *Share your idea with another person and get their feedback on your idea and take notes.*

“It is very difficult to create a trading algorithm however once again it will be very useful both now and down the road.”