Deep Pockets (DePo)
Your Personal Investing Forecaster

Description:
Investing is part of a healthy everyday financial life. They give individuals the power to strategically grow their earned cash through strategy and understanding of risk factors in their portfolio. Given an investment amount of $10k, configure investment allocations over 10 years.

Data Source:
You will be given:
- Data for each eligible investment category, including historical returns for each.
- Data limitations/restrictions on allocations per investment category.

Service:
You will be writing 2 RESTful services that retrieve the data for the UI.
- Limitations/Restrictions API (GET)
  o Input: None
  o Output: Data with options for categories, descriptions to populate the UI, as well as limitations to control inputs.
- Investment Forecast API (POST)
  o Input: Body with configuration details for investment allocation
  o Output: Time series data to show potential grown over 10 years.

UI
The UI for your service should include the following:
- Inputs for allocation amount for each category
- User feedback for breach of limitation/restrictions on input
- Visual display of time series for investment

Acceptance Criteria
Get creative! Use this as an opportunity to design a user experience that meets the needs of the applications. In its final state, your application should enable the user configure their investment choices and see the results. To take your application to the next level, consider ways to give the user real time updates as their preferences change.

Resources
There are two initialized repositories designed to get you started! These should be downloaded via the portal.