

Financial Demo

Introduction

This demo is used to calculate simple interest rates and plot them on a graph within the application. The graph control is an external control. When changing and selecting new values the graph will update. The calculations within this application were from a book I was reading at the time.

The bin folder contain the pre built version (non-development machines will need to run the .Net distributable – confirmed on a friends PC)

Requirements

Visual Studio 2013 – Community Edition

.Net Framework 4.5

Target Platform: Any CPU

Warning Level: 4 – Warning as Errors

Notes/Improvements

- Only works on Windows.
- Fixed income calculations were split into static utility functions to be used through out the code.
 - Including generating the graph in the ChartViewModel.
- MVVM Hierarchy.
- FixedIncomeCalculatorTest - Calculations for the tests are replications of the functions calculations.
- Currently no code coverage generated for the unit tests (Line coverage or branch coverage). There may be sections of code that aren't fully tested.
- Dependency injection on ChartViewModel to pass the model to the class would perhaps be better.
- BaseViewModel used to handle PropertyChanged events for all view models.
- Currently unsure of naming conventions for unit testing – first time I have used C# Unit tests.
 - Also, concerned about test structure.