Zopa Loan Calculator

Accounts Formula

- Monthly Payments = (Principal of Loan + Finance Charge) / Time
- Finance Charge = Principal of Loan **X** Annual Percentage Rate **X** Time
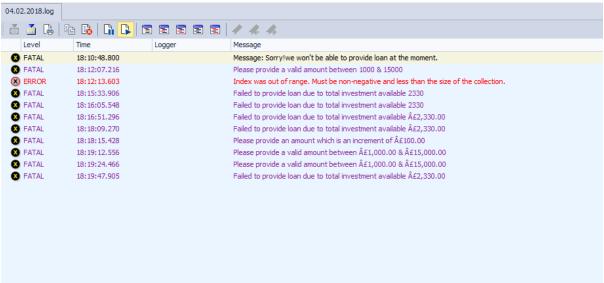- Interest = P.R.T

Tools

- Visual Studio 2017
- Re sharper
- Log4Net Viewer

Libraries & Framework

- C# 7.1
- X unit
- Moq
- Microsoft Unity

End to End testing and monitoring behaviour through Logs

Level	Time	Logger	Message
FATAL	18:10:48.800		Message: Sorry!we won't be able to provide loan at the moment.
FATAL	18:12:07.216		Please provide a valid amount between 1000 & 15000
ERROR	18:12:13.603		Index was out of range. Must be non-negative and less than the size of the collection.
FATAL	18:15:33.906		Failed to provide loan due to total investment available 2330
FATAL	18:16:05.548		Failed to provide loan due to total investment available 2330
FATAL	18:16:51.296		Failed to provide loan due to total investment available Â£2,330.00
FATAL	18:18:09.270		Failed to provide loan due to total investment available Â£2,330.00
FATAL	18:18:15.428		Please provide an amount which is an increment of Â£100.00
FATAL	18:19:12.556		Please provide a valid amount between Â£1,000.00 & Â£15,000.00
FATAL	18:19:24.466		Please provide a valid amount between Â£1,000.00 & Â£15,000.00
FATAL	18:19:47.905		Failed to provide loan due to total investment available Â£2,330.00

Note: Please set the log folder path in **App.config** file