



Testing Spring

Beginner to Guru

TDD 14 - Change



TDD To-Do List

- $\$5 + 10 \text{ CHF} = \10 (with rate of 2:1)
- $\$5 + \$5 = \$10$
- Return Money from $\$5 + \5
- **Reduce Money with Conversion**
- ~~Bank.reduce(Money)~~
- ~~$\$5 * 2 = \10~~
- Make "amount" private
- ~~Dollar side effects?~~
- Money Rounding?
- equals()
- hashCode()
- Equal Null Equal Object
- ~~$5 \text{ CHF} * 2 = 10 \text{ CHF}$~~
- ~~Dollar/Franc Duplication~~
- ~~Common equals()~~
- ~~Common times()~~
- ~~Compare Francs With Dollars~~
- ~~Currency~~
- ~~Delete testFrancMultiplication?~~





Tasks

- Create object 'Pair' to represent currency pairs
 - Will need Equals and Hashcode since object will be used as key
- Add rate to Bank - From Currency, To Currency, conversion rate
 - Examples in book use HashTable - circa Java 1.2
 - We will implement using HashMap (ThreadSafety not needed in our example)
 - If ThreadSafety was needed, we could use ConcurrentHashMap
 - Need method to return rate for given from / to currency codes
 - Need Add rate method

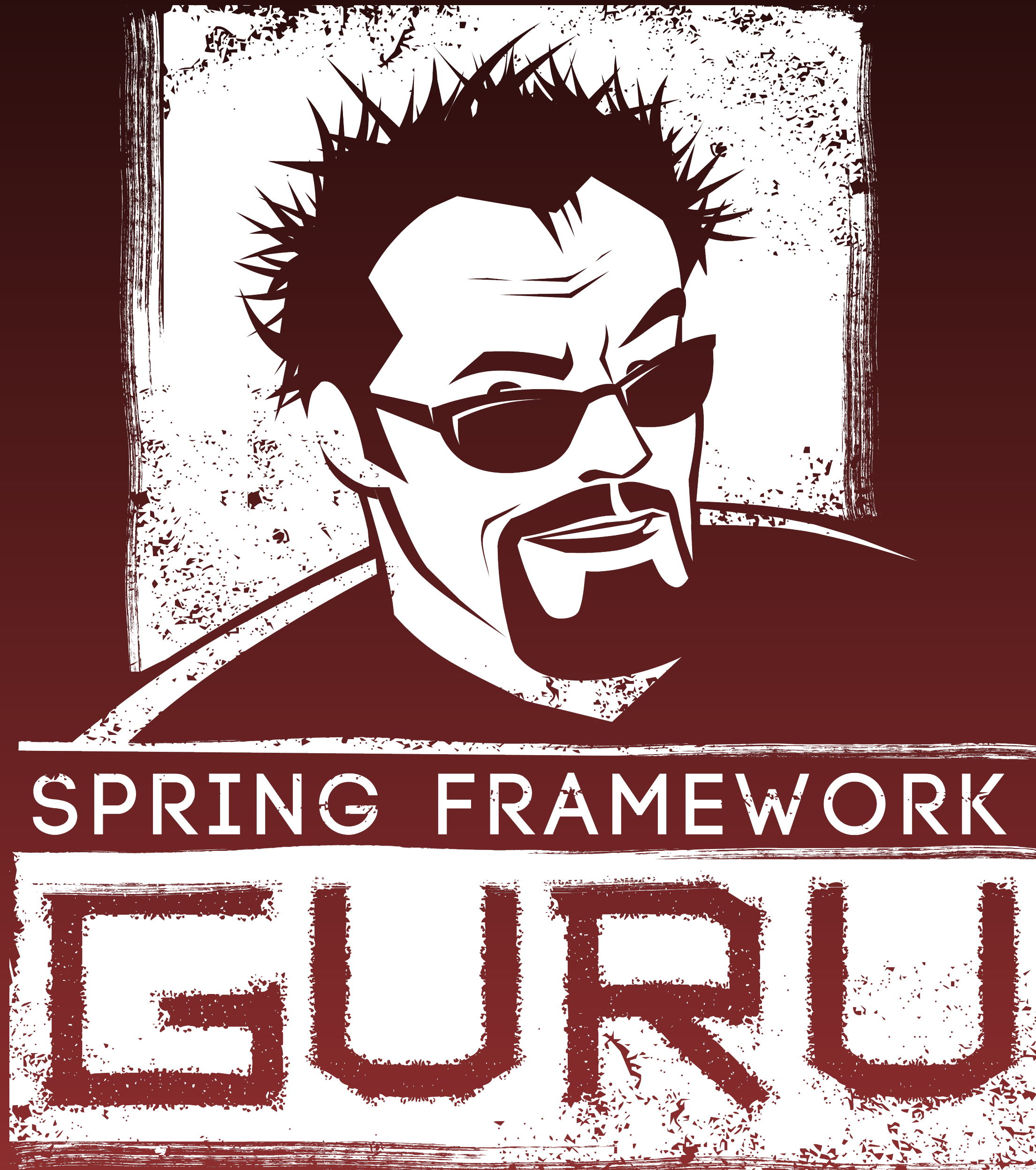




Tasks

- Change Expression.reduce method to accept bank
 - Change Money / Sum reduce methods to accept Bank parameter in reduce method
 - Change Money to use rate in reduce method







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