

Payment Tracker

Test task for BSC, implemented by Pavel Reznicek, 12. – 13. 8. 2017

How to start the app

- download the project / clone the repository from <https://github.com/reznicekp/payment-tracker.git>
- in the project folder perform `mvn clean install`
- start the app using command
`java -jar <path_to_your_local_repository>/com/bsc/reznicek/payment-tracker/1.0.0/payment-tracker-1.0.0.jar`
`[<path_to_file_with_existing_payments>]`
- you can optionally specify one or more paths pointing to files containing lists of payments
 - these paths should be relative to `payment-tracker-1.0.0.jar`
 - if more, they should be separated with space

Implementation notes

- amount (the second part of user input) can be any positive or negative whole number (in real life the app should probably accept also amounts with decimal places and there should be also an input validation)
- in real application I'd probably query some publicly available API in order to get current exchange rates – in this app I hardcoded them in the `ExchangeRate` enumeration
- in real application I'd use more logging with a proper `LOGGER` (e.g. `org.slf4j`), especially in the place of an invalid file or user input – in this case I rather printed out just a user friendly message
- by unit tests I covered only the method with some logic inside (`PaymentTracker.newPayment`)
- in real application there'd also be at least `src/main/resources` as a source folder on build path containing e.g. `*.properties` files – in this test project it'd be empty, so I didn't create it