



Optimizely Code Challenge Java

Our code challenge will check the following fields of skillset:

- Code Quality - a colleague must be able to quickly capture the code without having to go through each line of code
- Functionality of the developed software
- Use of means of object orientation

Prerequisites

- You should solve the task in **approx. 4 hours**
- User interaction is **not** required
- The individual functions of the software should simply be executed in a **main () method**
- Please make sure to develop appropriate **unit tests** for all functions
- Please send your solution as a **zip-file**
- Please do **not** publish your solution on github or similar platforms

Setting

A books management is to be implemented which consists of the following parts:

- There are several authors who are familiar with the details of e-mail address, first and last name
- There are regular books that have a title, a short description, one or more authors, and an ISBN number
- In addition, magazines are also included that have a title, one or more authors, the publication date and an ISBN number

Functionalities

The following functionalities should be applicable on the managed books / magazines:

- Reading all data from multiple CSV files in the "data" folder. These can be found in the attachment as a ZIP archive. The structure of the files should be self-explanatory.
- Return all books / magazines with all details
- Find and return a book / magazine using an ISBN number
- Find and return all the books / magazines of an author
- Sort and return all books / magazines by title

Good luck and success in completing the task!