Java Development Test

"The book library"

In this test, you should focus on these three things:

- Quality of code - a colleague must be able to understand the code quickly without having to read every line of it.
- Functionality of the software, the code is supposed to do what it's supposed to.
- Object oriented principles

You have 4 hours to solve the test. There is no user interaction needed. The functions of the software should be executed in a main() method. Please take care that all functions are covered by unit tests. Your solution should be contained in one directory.

Structure

You should implement a book library containing the following data:

- There are different authors having an email address, first name and surname
- There are regular books having a title, a short description, one or more authors and an ISBN
- There are magazines having a title, one or more authors, a publish date and an ISBN

Functionality

The following functionalities should be provided for the managed books and magazines:

- Reading all data from all the CSV files in the folder 'data'. You'll find them in the attached ZIP archive. The structure of the files should be self-explaining.
- Print out all details of all books and magazines
- Find and print out the details of a book or magazine by searching with an ISBN
- Find and print out the details of a book or magazine for an author
- Sort all books and magazine by title and print out the result

Good luck!