**Appdome Home Assignment**

You are required to develop a book library system.

The system will include:

1. REST server with the following operations:
   1. Add book
   2. Remove book
   3. Get book
2. DB that will hold the saved books with the following parameters:
   1. Book name
   2. Book author
   3. Number of pages
3. Cache mechanism that will hold visited books (books that API get book was used upon):
   1. To make things easy – cache size will be 3 books.
   2. Cache will act as LRU – last recently used.
      1. If cache already hold 3 books and a new book was asked -> the oldest (the book that was called first) will be removed and the 4th book will take his place.
      2. Time is also a factor (not related to the cache size) – book can be kept in cache for no longer than 1 minute.

Instructions:

1. The code will be developed using **Java Spring** with embedded **H2** database (please don’t use external DBs like mySql, etc...)
2. Please supply units for testing your code.
3. Zip the project and send it by mail.
4. For question – you can contact me by mail.

Best of luck,

Avi