Lab 9

1-) Create a NoSQL design model for an application to manage a library, taking into consideration the following requirements:

- Books have an ISBN number and are written by authors and tagged by keywords to facilitate search
- Books can be borrowed by students, so the librarian will be able to check all borrowed books and their return date so he may contact students who are late returning their books.

a) Develop a RESTful application for the following requirements:
   a. Students can login to the system.
   b. Librarians can login to the system.
   c. Secure your endpoints by using JWT.
   d. Implement CRUD operations for the books.
   e. Implement CRUD operation for the students.
   f. Implement CRUD operation for the librarians.
   g. Books can be searched by a keyword.
   h. Students/ Librarians can sign up to the system. (hash the password using bcrypt)
   i. Librarians can
      i. List all the borrowed books.
      ii. Execute CRUD operations on the book repository.
   j. Students can
      i. Borrow books.
      ii. List all the books.