

The following hypothetical application is required to be developed. You are given one day to complete this exercise. The completed project should be in a code repo and we need to see the commit history as well (commit history proves your work and the time taken to complete the piece of work). we do not accept shared source code through any other means. You can make assumptions while designing and implementing the solution, and we enforce your intuition to play a role while making such assumptions.

If you do know typescript, it's the best way to go with fully OOP solution, otherwise plain vanilla java script is acceptable. You can use any database technology but be mindful about the data integrity requirement. We concern about usage of an ORM.

The application should have a readme explaining how to run the system, without any issue.

All your design decisions, coding style, assumptions will be subjected to evaluation and affects the final marks of the exercise.

Read to Win Publications

Mr. Srilva who has a book publication business which smoothly running business presently with lot of new authors and reader's attraction, however he has felt that, the current manual procedures are not adequate and time consuming, he had a thought that if he had an automated system which would possibly boost his business to a new level by attracting new potentials.

After spending some time with Mr. silva we have concluded that, Mr. silva require the following functionality to present on the web accessible system. following points merely explains the functional requirements. your job is to provide a backend system to facilitate the following requirements.

- feature to register an author in the system, author should have a
 - first name (only contains simple and capital letters),
 - last name (only contains simple and capital letters),
 - email,
 - contact no.
- feature to register a book in the system. a book should have an
 - ISBN no (only contains alphanumeric),
 - category,
 - title (only contains alphanumeric),
 - author
- Note that, an author should be allowed to write books in different categories, the opposite is also implied that, for a category being considered there can be different authors as well.
- The user should be able to search a book using ISBN no.

- A user should be able to like a book. (so the books can be rated within the system). a like count is maintained against each book
- The system doesn't allow a book to exist without an author.
- A report / an email notification / log entry (implement one of this as you prefer) should be generated every 5 minutes' containing the information of like count for each author. (disregard any performance related concerns)
- Each event should produce a log entry.