

GEO Test Task

Functional Requirements

- Create RESTful API to search and manage magazines, comics, books and their authors
- Each author can have multiple publications
- Each publication can have multiple authors
- Author name is not unique
- Publication name is not unique

Domain Model

Author

- name

Publication

Magazine

- title
- year
- type (Printed, On-line)

Comics

- title
- year
- hero (name of the hero featured in comics)

Book

- title
- year
- genre (Drama, Novel, Detective)

Use Cases

- CRUD for Authors
- CRUD for publications
- Search publications by year and author
 - *Example: find all books written by Stephen King in 1990*
- Search publications by author and any arbitrary attribute
 - *Example: find all novels by Stephen King*
 - *Example: find all comics with Spider-man*

Technical Requirements

- Any framework, ORM and library may be used
- Relational database must be used to persist data
- No security required
- Tests are not required
- All model fields are required