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Chapter 4

1. Bookstore: One-to-many

Use your own bookstore application from the GitHub.

Check StudentList example from the moodle (Student – Department relationship).

- a.) Add new entity called Category which has attributes id and name
- b.) Add one-to-many relationship between Book and Category
    - a.   Add new category attribute to the Book entity
    - b.   Add new books attribute to the Category entity (List of books)
    - c.   Add getters and setters for new attributes
    - d.   Add annotations for one-to-many relationship
- c.) Add crud repository class for the Category entity
- d.) Add Category dropdown list to the book creation form
    - a.   Add categories to controller model
    - b.   Show category name in the dropdown list
- e.) Add Category into book listpage to show category name of the book
- f.) Insert few categories to database by using CommandLineRunner

Push all changes to GitHub.

2. MySQL: Booklist (Optional)

This exercise will be returned to Moodle

Check StudentListJDBC example from the moodle.

- a.) Install local MySQL database using XAMPP (default username: root, password empty and name of the database is test
- b.) Create similar software as booklist from previous week, but make it use MySQL