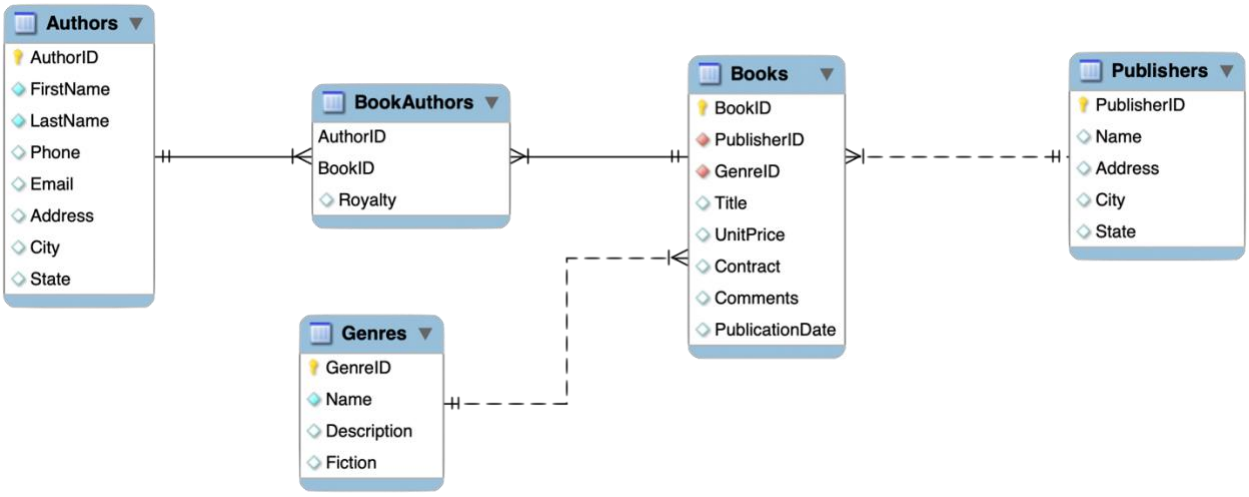
Book Biz, Three-Tier App Homework

In your previous homework you created the conceptual, logical, and physical design of a database for the book publishing industry. In this homework, you will create a three-tier application to create, read, update, and delete (CRUD) data from a simplified book business database – see below.

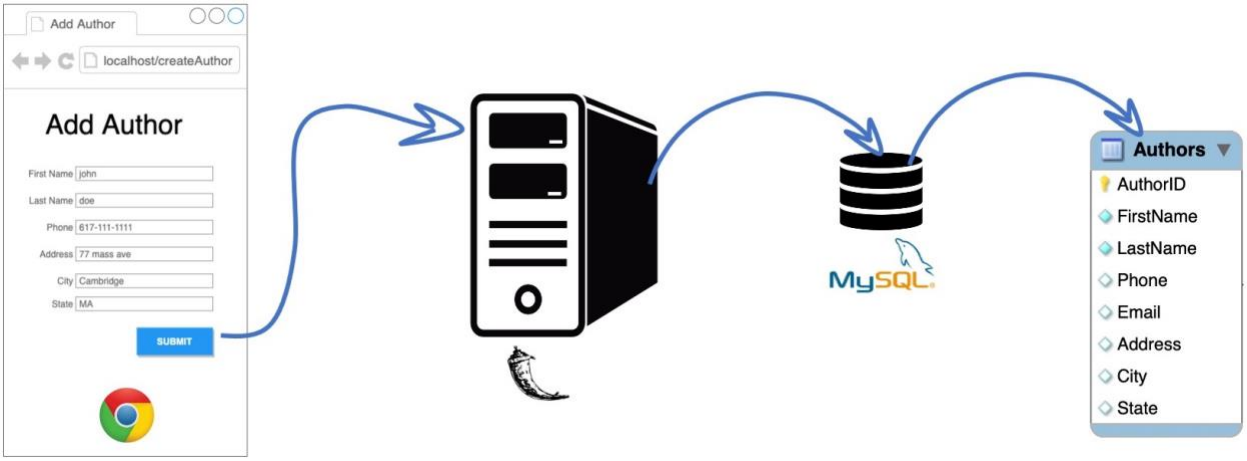


1. Create input screens for authors, publishers, genres, and books

You need to create the:

a) Graphical user interface (GUI) in the browser
b) The code to post to the server
c) The server route, the code to extract the posted data
d) The call to the DB and the SQL to insert a new record.

Sample pipeline for adding an author to the authors table.



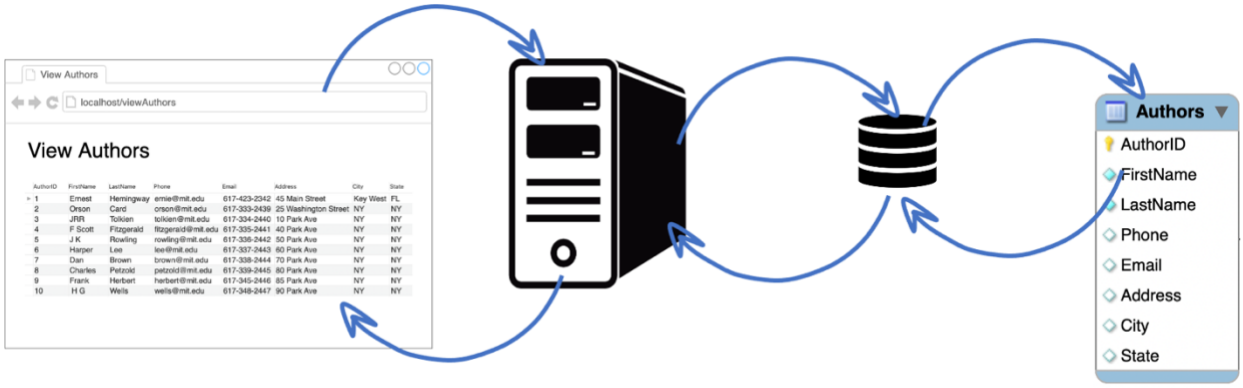
2. Create read screens for authors, publishers, genres, and books.

What is read?
Just display the data?
In what format?

You need to create the:

a) Graphical user interface (GUI) in the browser
b) The code to request data from to the server
c) The server route
d) The call to the DB and the SQL to read data.

Sample pipeline to read the data from the authors table.



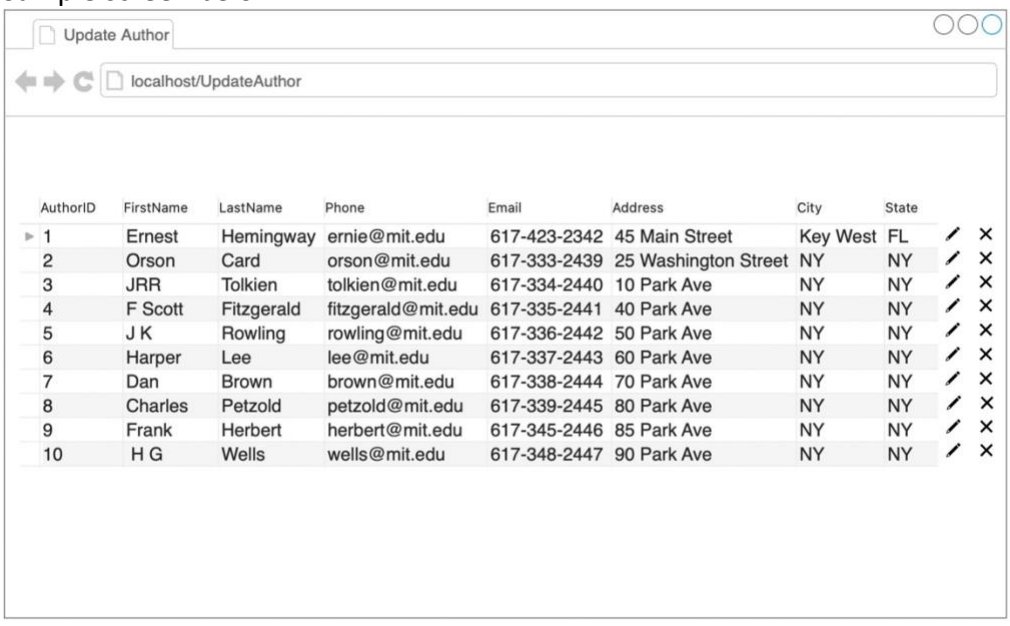
3. Create update screens for authors, publishers, genres, and books.

You need to create the:

a) Graphical user interface (GUI) in the browser, note the icon for edit (pencil)
b) The code to send edit data information to the server
c) The server route
d) The call to the DB and the SQL to update data

Questions:
1)do it for all data?
2)do the tables have to look exactly like that?
3)submit video and files?

Sample screen below.



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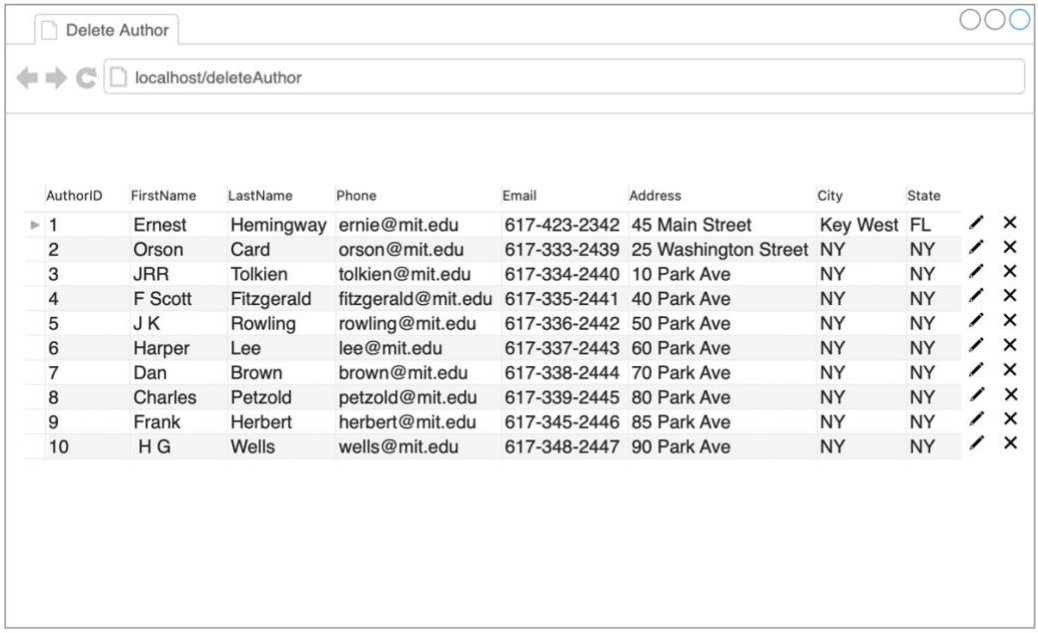
4. Create delete screens for authors, publishers, genres, and books.

You need to create the:

e) Graphical user interface (GUI) in the browser, note the icon for delete (x)
f) The code to send delete data information to the server
g) The server route
h) The call to the DB and the SQL to delete data

Sample screen below.



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Submission instructions

Create video of your working application – screen recording. Capture a create, read, update, and delete. Post your video to YouTube and submit the link in your code repository below.

Submit your video URL

Create a GitHub repository with all your code, submit your repo link.

Repository URL