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| --- | --- | --- | --- |
| Database | db.js |  |  |
|  | Schema.sql |  |  |
|  | seed.js |  |  |
|  | seed.sql |  |  |
| Model | genres.js | 1. Imports db 2. Gets list genres from database and exports 3. [{id, name}] | db.prepare()  Exports listGenres()//all  //we need it to render in form <select> option value=… |
|  | Books.js | 1. Imports db 2. Gets list of books from db 3. Note: here we should join with 3 tables (authors, genres) 4. Expected to get: [{id, title, author\_name (AS), genre\_name(AS), published},{}] | db.prepare()  Exports  listBooks()//all  //we need it to render in <ul>books here</ul> in routes/books.js |
|  | Sort.js | 1. Imports db 2. Implements functionality to get data by author name 3. Note: here we should join 3 tables, books, author, genres WHERE author\_name=? 4. Expected to get: [{id, title, author\_name (AS), genre\_name(AS), published},{}] | db.prepare()  Exports  sortBooks(author\_name  //we will call it when the user enters author name to sort the <ul> |
|  | InsertBook.js | 1. Imports db 2. Note: here we should think about how to split the info between 3 tables as we get genres, author and book info   2. insertBook({})//expects new book | db.prepare() to insert a book  Exports  function insertBook()  //when the form submitted and all validation and sanitise passed we will call this function |
| Routes | addBook.js | 1. imports html and addBookForm from templates 2. Import insertBook.js from model/insert..   3. Function addBook(req, res){  const {title, author, year, genre}=req.body;  Validate and sanitise!  If ok,insertBook in db  4. Redirects to main page} | Exports  addBook() , addBookForm()  To be added in server.js for routes get and post methods |
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|  |  | 4. Function addBookForm()  Renders the form to add a book  Const body=html(title, addBookForm, ‘Books’, ‘/‘) |  |
|  | Books.js | 1. Imports sortForm() from templates/forms.js 2. Imports html from templates/html.js 3. Imports listBooks from model/books.js 4. Imports booksTemplate to pass it as content into html   4. Function renderBooks(req, res){  Const body = html(title, renderBooks, ‘Add book’, ‘/add-book’)  res.send(body)  } | Exports  renderBooks() to the server.js for  (‘/‘) route |
| Templates | forms.js | 2. Imports list of genres from model/genres.js  1. addBookForm(genres, errors={}, values={}) {}  returns `<form></form>  2. sortForm(){}  Returns `<form>Sort by author <input name = author\_name><button>Sort</button></form> | Exports  addBookForm, sortForm  //we will import these functions in routes/addBook? |
|  | html.js | html(title, content, linkTitle, linkPath)  //title will be books or add-book depends on the content!  Link will depend on the page we are, when we are in the books page is should render the link to add-book, when we are on the add-book, it should have a link to ‘/‘ books  Returns `html` | Exports  Html |
|  | booksTemplate.js | booksTemplatel(listTitle, books)  //listTitle is the title for ul (depends is it all books for sorted books [by author])  Returns `h2, ul` | Exports the bookTemplate  It is a content for html |
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Server.js

Server.get(‘/‘, renderBooks) //from routes/books.js

server.get(‘/add-book’, addBookForm) //from routes/addBook.js

Server.post(‘/’, sortBooks) //?

Server.post(‘/add-book’, addBook) // from routes/addBook.js