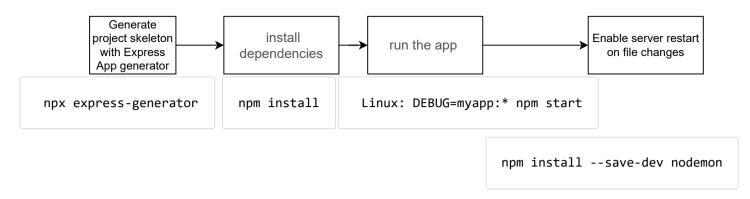
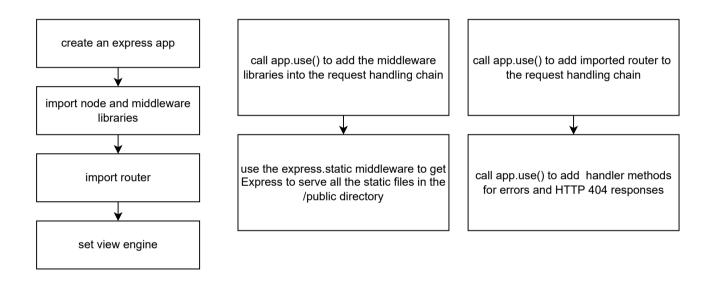
## 1. Setup app



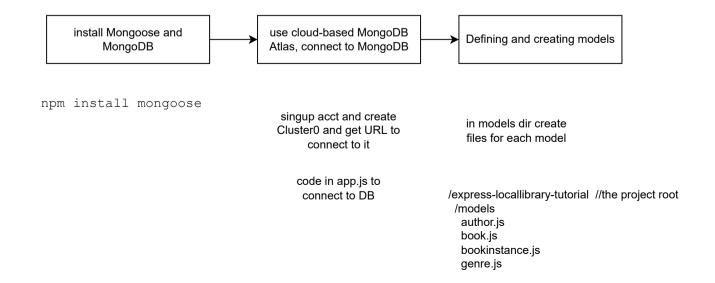
"devstart": "nodemon ./bin/www",

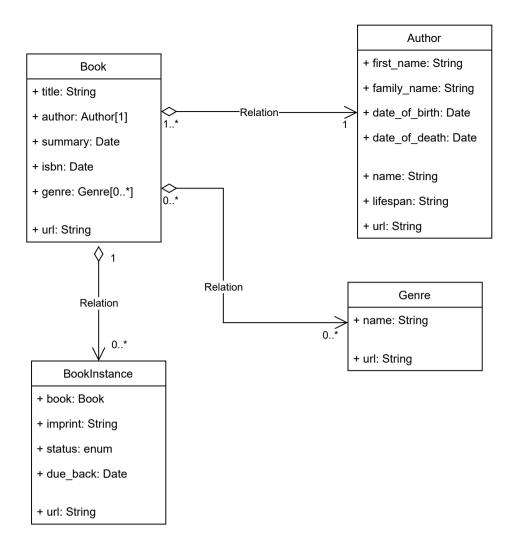
## 2. app.js file

"serverstart": "DEBUG=express-locallibrary-tutorial:\* npm run devstart"



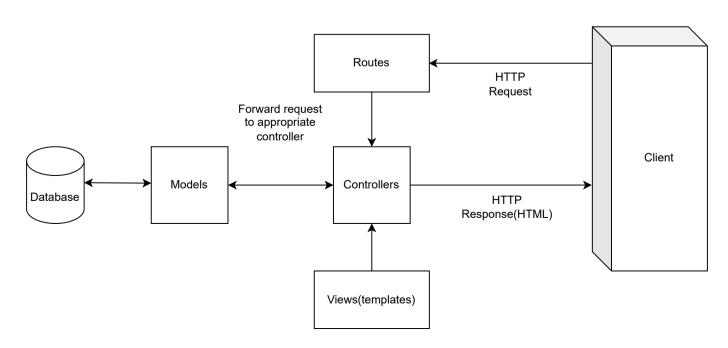
## 3. Setup DB Mongoose





Testing: using a script to create instances data

## Main flow of data and HTTP req/res handlers



HTTP verb

GET
POST

catalog.js

catalog/book

catalog/author

catalog/genre

## + book\_create\_get() + book\_create\_post() + book\_delete\_get() + book\_delete\_post() + book\_update\_get() + book\_update\_post() + book\_detail()

+ book\_list()

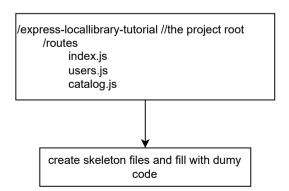
+ book\_index()

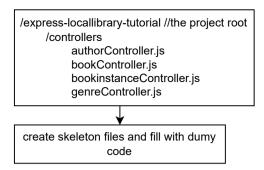
book controller

# author\_controller + author\_create\_get() + author\_create\_post() + author\_delete\_get() + author\_delete\_post() + author\_update\_get() + author\_update\_post() + author\_update\_index + author\_detail() + author\_list()

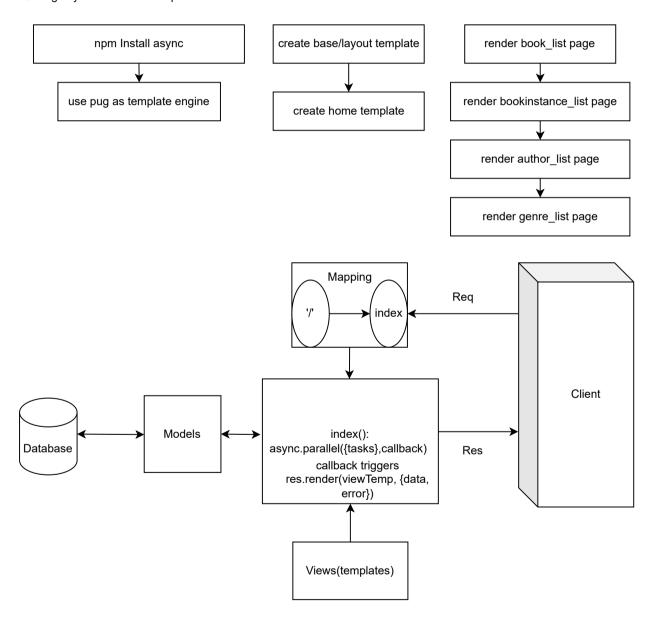


### 5. Create routes





## 7. Config async and create templates



date formatting using 3rd party library

npm install luxon const { DateTime } = require("luxon");

use:DateTime.fromJSDate(this.due\_back).toLocaleString(DateTime.DATE\_MED);

7. Work with forms 8. Deploy

create/update/delete document in DB

install middlewares needed to perform form data validation and sanitization specify the function we want to import in each each controller file

npm install express-validator