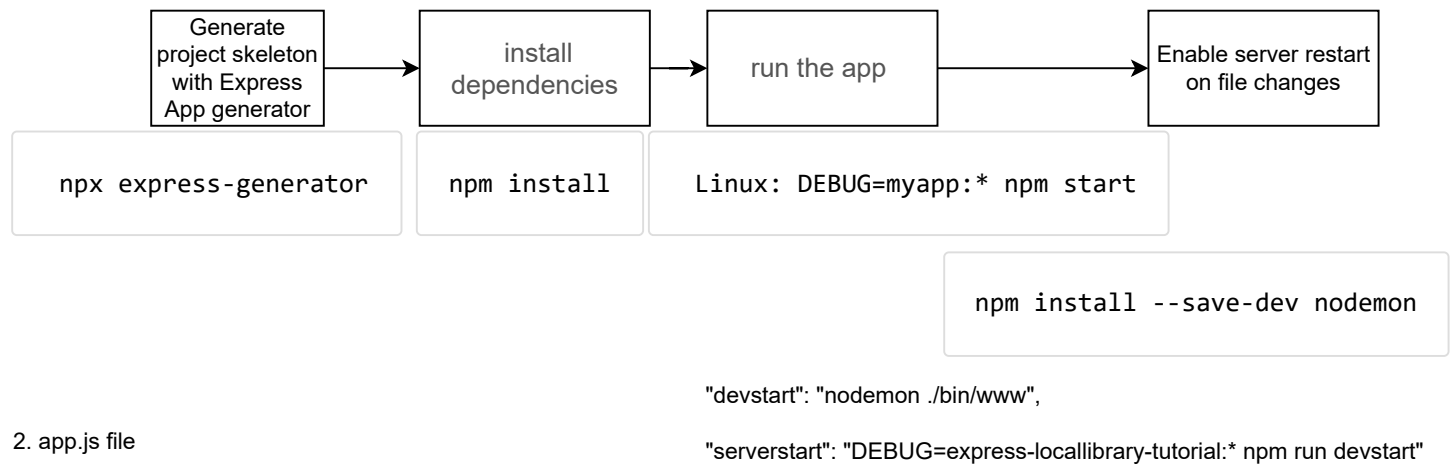
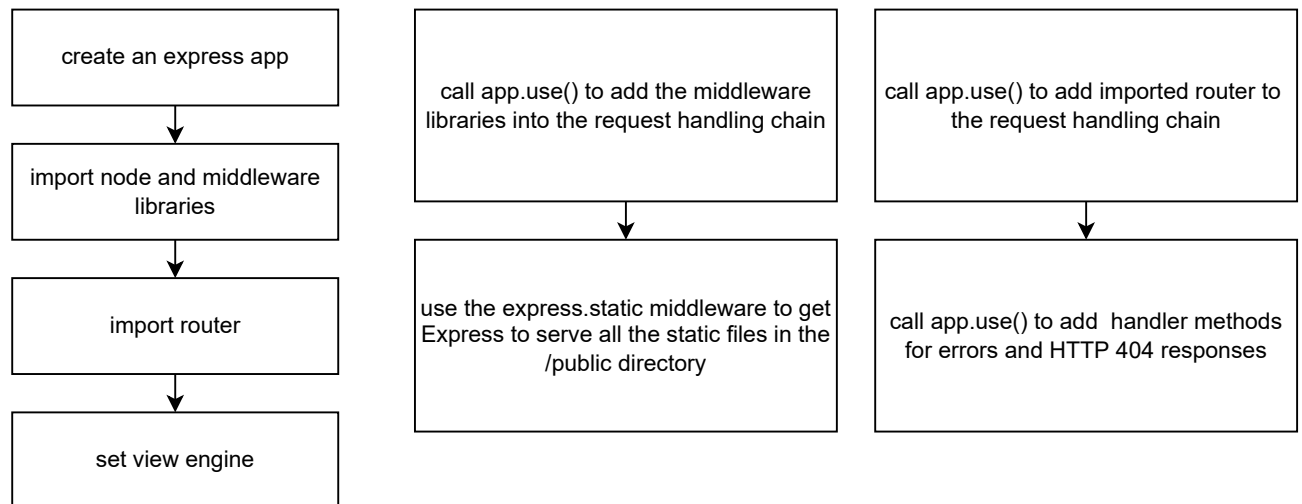


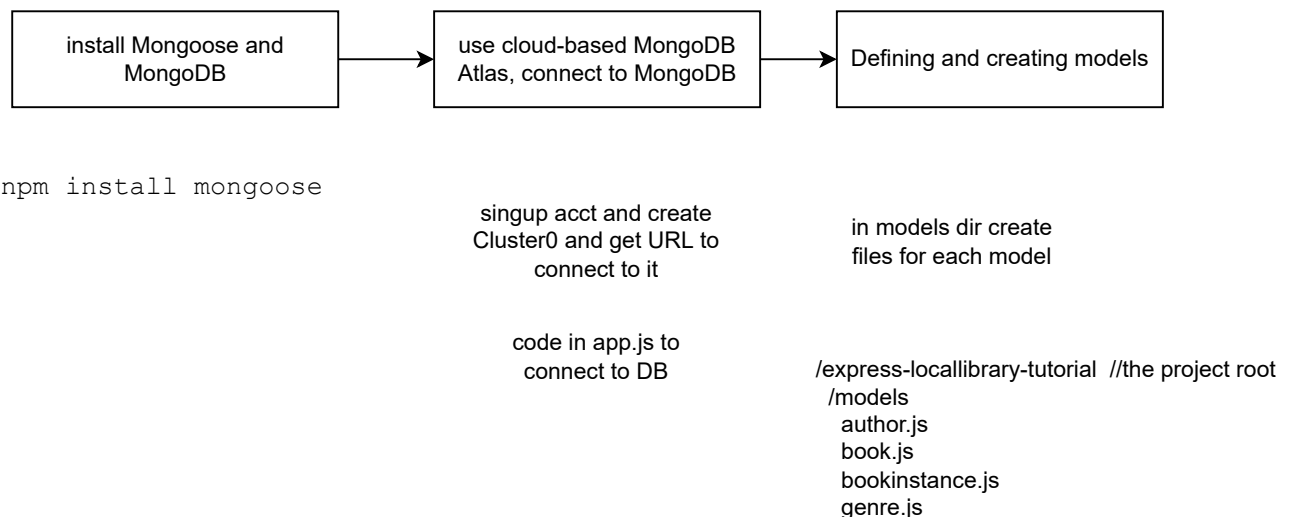
## 1. Setup app



## 2. app.js file

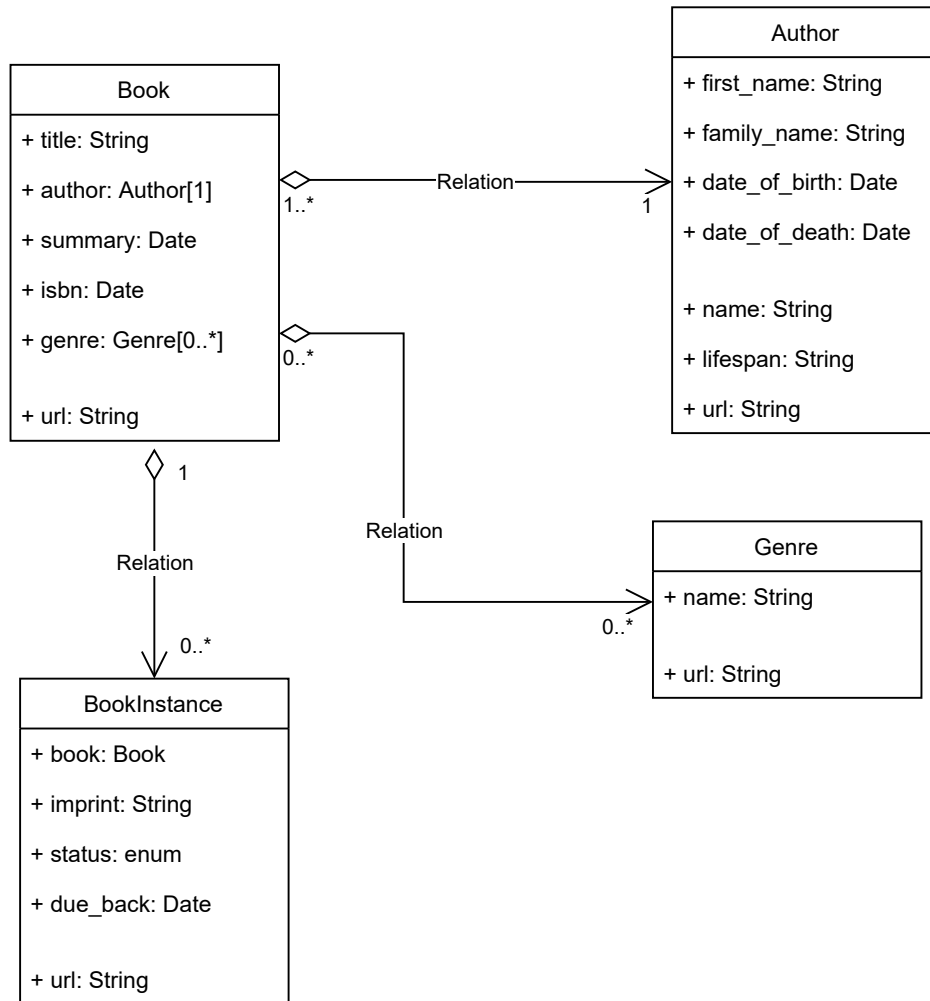


## 3. Setup DB Mongoose



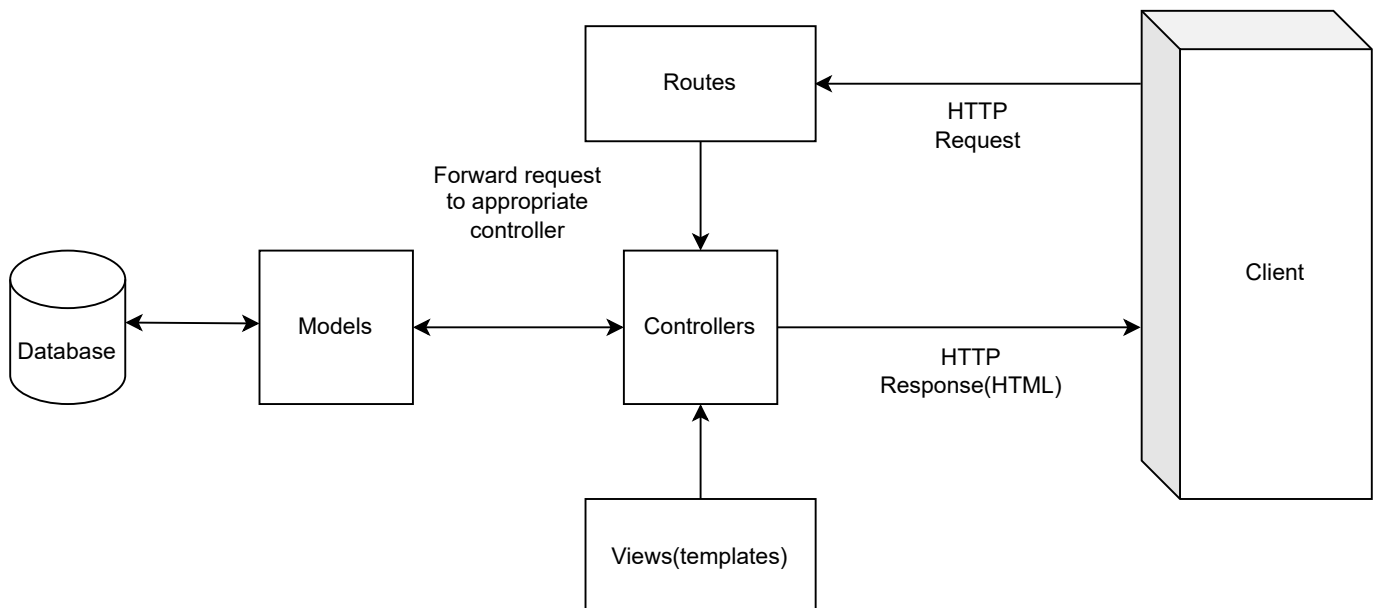


#### 4. Create model



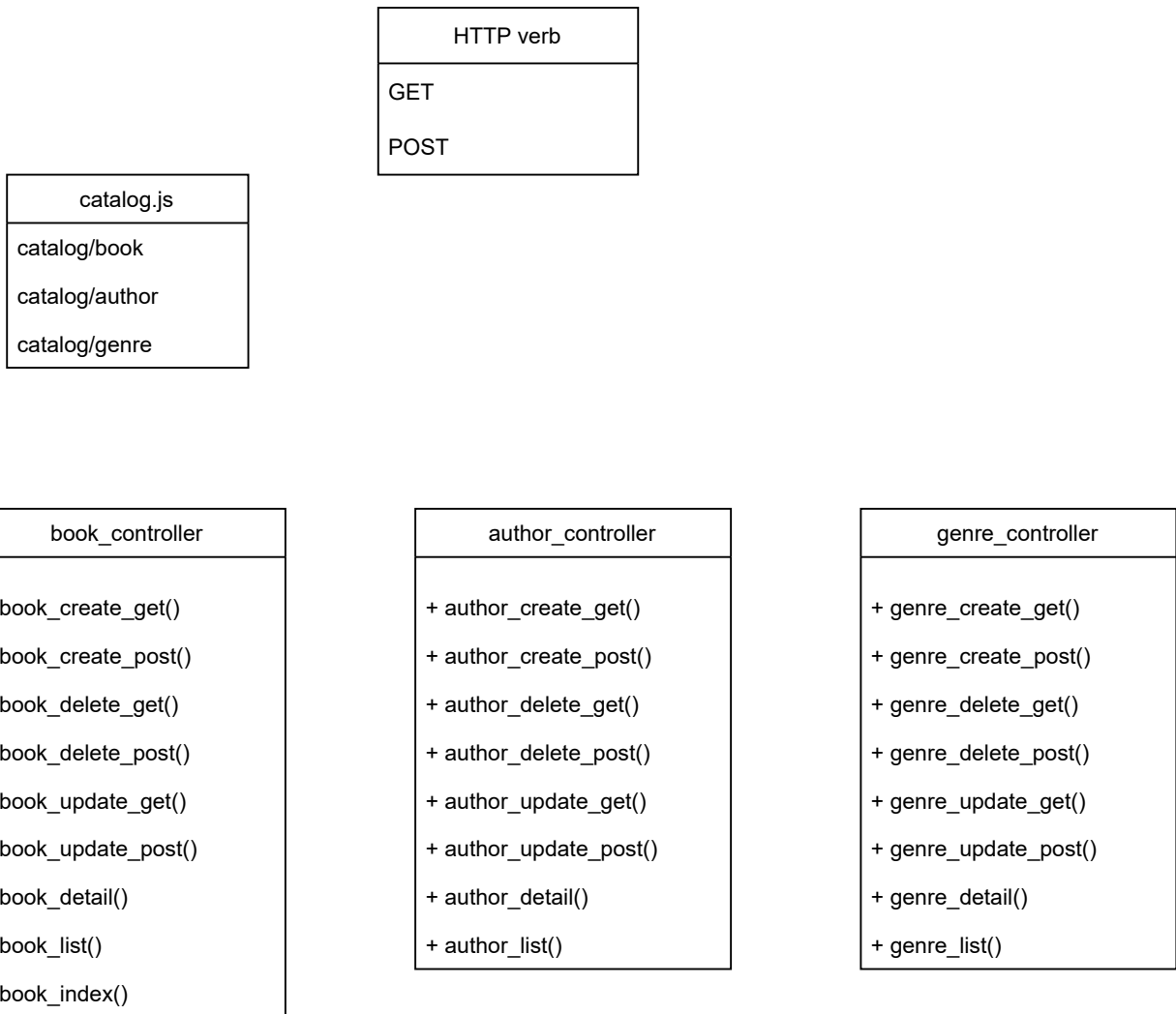
Testing: using a script to create instances data

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

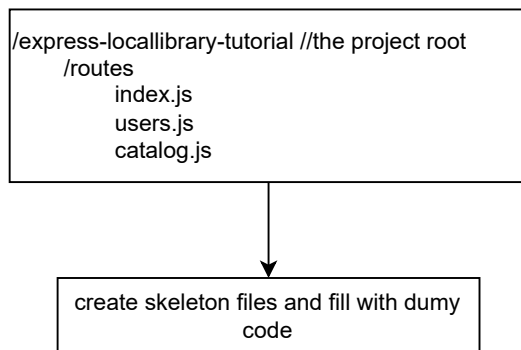




## RESTful API

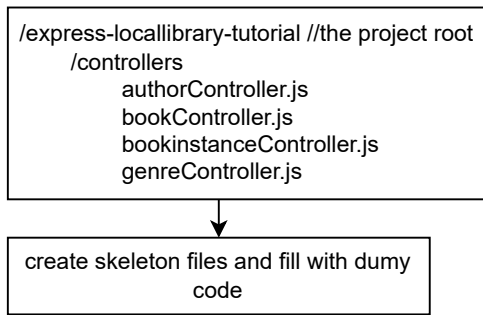


### 5. Create routes

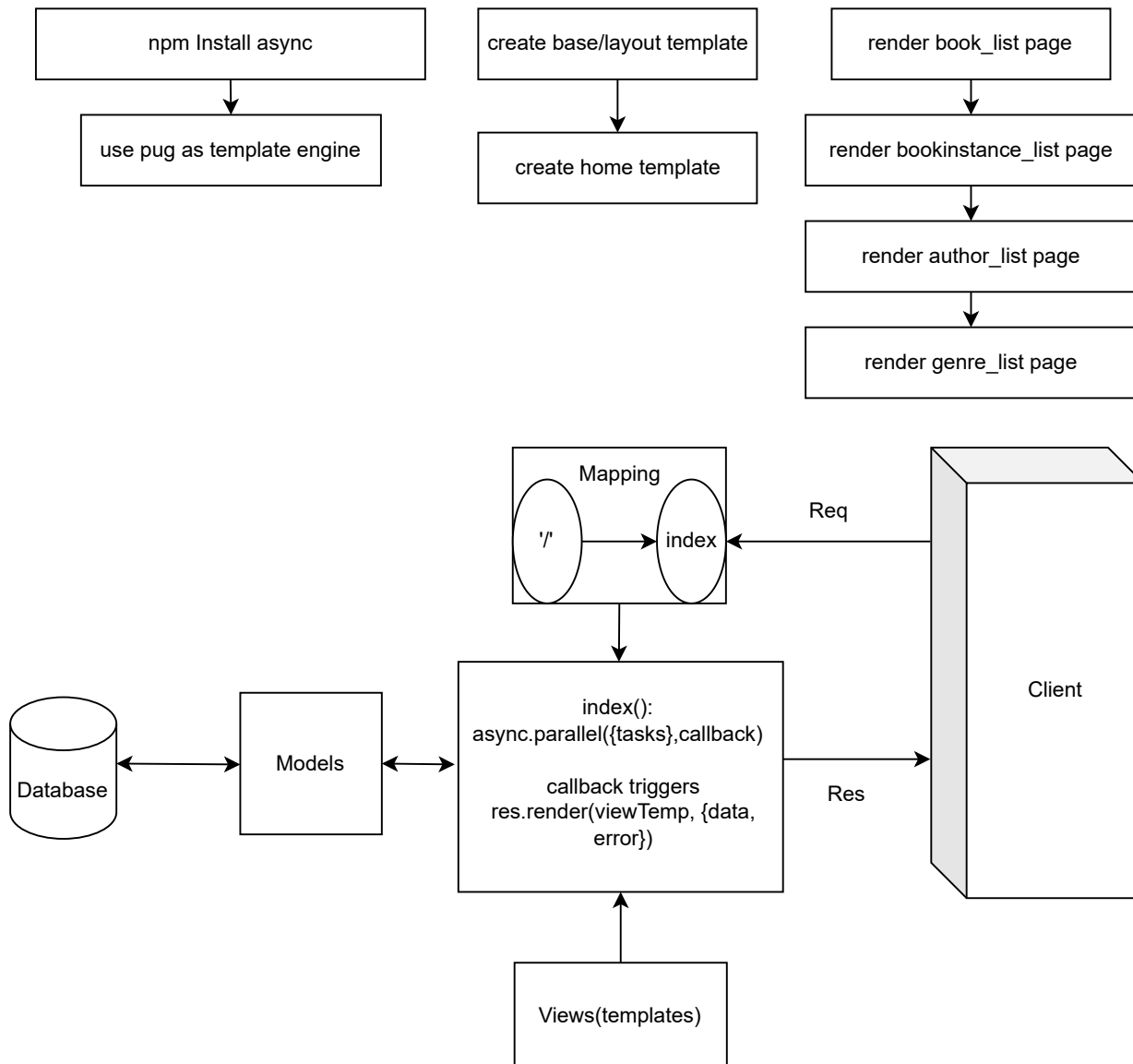




## 6. Create controllers skeleton



## 7. Config async and create templates



data obj is passed through `res.render()` method to create html and send back to the client

data can be from the DB(i.e models) or the `req.body.params`





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
```

```
const { body, validationResult } = require('express-validator');
```

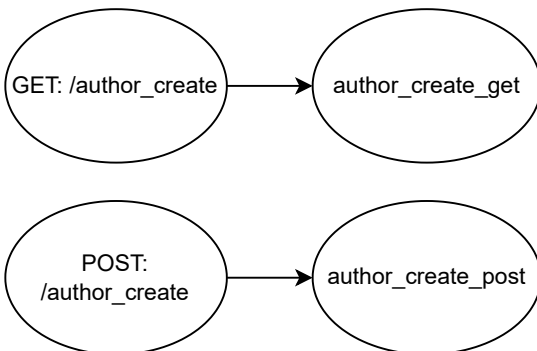
Create form

Router

Controller

HTTP  
Method

controller



author\_create\_get

```
res.render("author_form", {data})
```

author\_create\_post

```
validate and sanitize data  
with middlewares and passing  
them as an array to the controller
```

