

TECHNOLOGIES JS

COMPTE RENDU DU TP: BOOK READING TRACKER

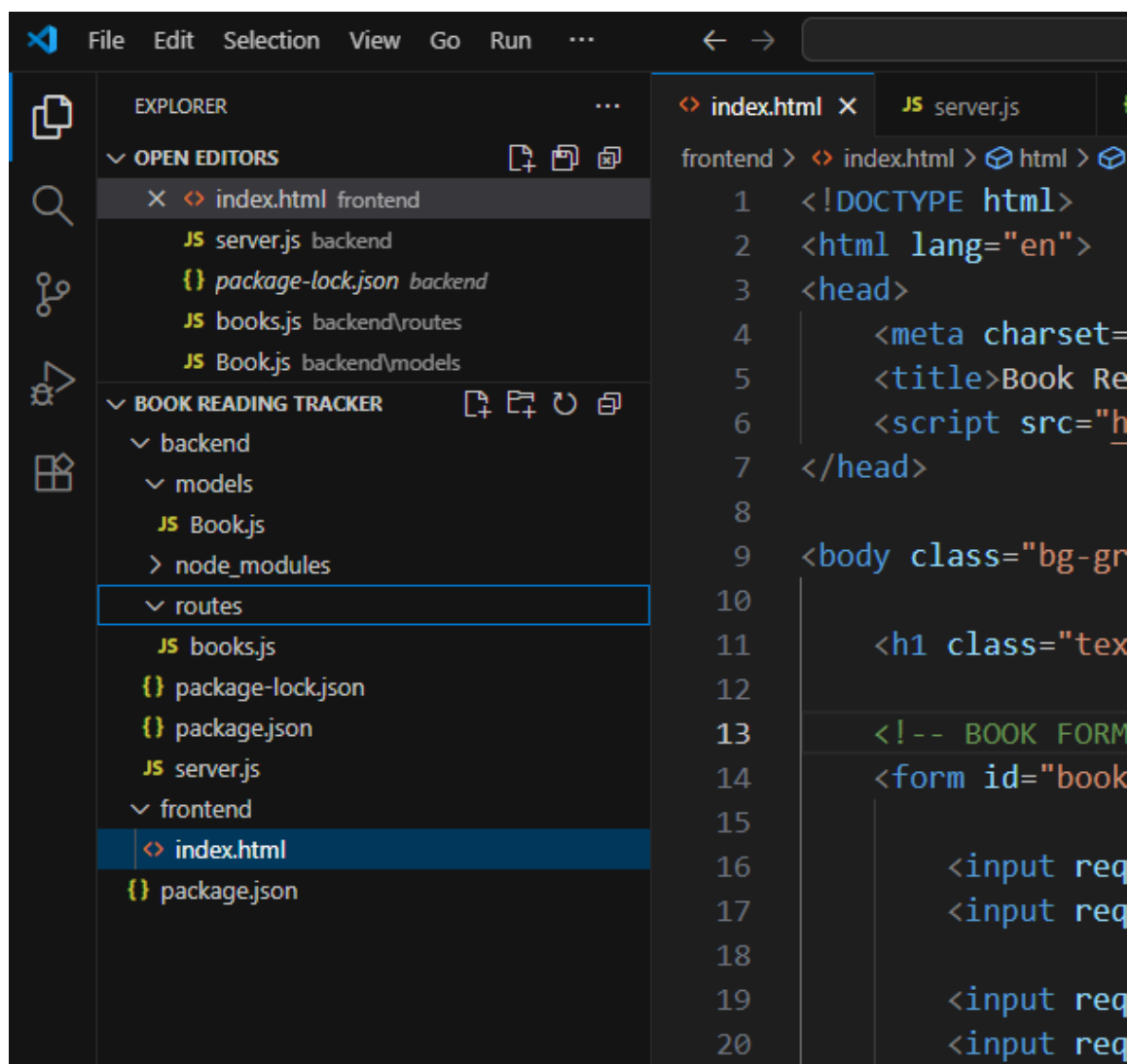
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TP: Book Reading tracker

- Create an HTML file where we have a form that register new books (use tailwindCSS to style it)
- Each book have a title(string), author(string), number of pages(number), status(String Enum), price (number), number of pages read (number < number of pages), format(String Enum), suggested by(string), finished(boolean).
- Status can have one of the following values: Read, Re-read, DNF, Currently reading, Returned Unread, Want to read
- Format can have one of the following values: Print, PDF, Ebook, AudioBook
- Be default finished is equal to 0, the finished value will change to 1 automatically when number of pages read is euqal to number of pages
- Create a class book have the following methods: a constructor, currentlyAt, deleteBook
- The book class should be its own module.
- Create a web page where we can track our reading by listing books and showing the percentage of reading for each book, and a global section where you can see the total amount of book read and the amount of pages
- The books are stored in MongoDB

PROJECT STRUCTURE :



Le projet est organisé en deux parties principales : un backend et un frontend. Le backend contient le fichier `server.js`, qui démarre le serveur Express, configure la connexion à MongoDB et charge les routes. Le dossier `models/` contient les schémas Mongoose, notamment `Book.js`, qui définit la structure des livres dans la base de données. Le dossier `routes/` contient les fichiers de routes Express, comme `books.js`, qui gère les opérations CRUD liées aux livres. Le fichier `package.json` gère les dépendances du backend. De l'autre côté, le dossier `frontend/` contient `index.html`, qui représente l'interface utilisateur : formulaire d'ajout de livres, affichage de la liste, et intégration de TailwindCSS, associé à un script JavaScript pour communiquer avec l'API backend.

INTERFACE UTILISATEUR :

The screenshot shows a web browser at the address `127.0.0.1:5500/frontend/index.html`. The application is titled "Book Reading Tracker" and features a form for adding new books. The form includes input fields for Title, Author, Total Pages, Pages Read, Suggested by, and Price. It also has dropdown menus for Select Status and Select Format. A blue "Add Book" button is positioned below the form. Below the form, a summary bar shows "Books finished: 0" and "Total pages read: 40". A list of books is displayed below, with the first entry being "harry potter" by "jk rowling". The status is "Currently reading", and a progress bar indicates "40.0% read (40/100)". A red "Delete" button is located at the bottom of the book entry.

Book Reading Tracker

Title Author

Total Pages Pages Read

Select Status Select Format

Suggested by Price

Add Book

Books finished: 0 | Total pages read: 40

harry potter
By: jk rowling
Status: Currently reading
40.0% read (40/100)
Delete

DEMARRAGE DE MONGODB :

```
Administrateur : Windows PowerShell

+ CategoryInfo          : InvalidArgument : (:) [Set-Location], ParameterBindingException
+ FullyQualifiedErrorId : PositionalParameterNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Windows\system32> cd "C:\Program Files\MongoDB\Server\8.2\bin"
PS C:\Program Files\MongoDB\Server\8.2\bin> ./mongosh.exe
./mongosh.exe : Le terme «./mongosh.exe» n'est pas reconnu comme nom d'applet de commande, fonction, fichier de script
ou programme exécutable. Vérifiez l'orthographe du nom, ou si un chemin d'accès existe, vérifiez que le chemin d'accès
est correct et réessayez.
Au caractère Ligne:1 : 1
+ ./mongosh.exe
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (./mongosh.exe:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Program Files\MongoDB\Server\8.2\bin> .\mongod.exe
{"t":{"$date":"2025-11-09T14:28:10.836+01:00"},"s":"I", "c":"-", "id":8991200, "ctx":"thread1","msg":"Shuffling
initializers","attr":{"seed":3204579644}}
{"t":{"$date":"2025-11-09T14:28:10.969+01:00"},"s":"I", "c":"CONTROL", "id":97374, "ctx":"thread1","msg":"Automatica
lly disabling TLS 1.0 and TLS 1.1, to force-enable TLS 1.1 specify --sslDisabledProtocols 'TLS1_0'; to force-enable TLS
1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2025-11-09T14:28:10.978+01:00"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1","msg":"Initializ
ed wire specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":27},"incomingIntern
alClient":{"minWireVersion":0,"maxWireVersion":27},"outgoing":{"minWireVersion":6,"maxWireVersion":27},"isInternalClient"
:true}}}
{"t":{"$date":"2025-11-09T14:28:10.987+01:00"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1","msg":"Multi thre
ading initialized"}
{"t":{"$date":"2025-11-09T14:28:10.988+01:00"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten","msg":"Mong
oDB starting","attr":{"pid":17040,"port":27017,"dbPath":"/data/db","architecture":"64-bit","host":"DESKTOP-8AJFV93"}}
{"t":{"$date":"2025-11-09T14:28:10.988+01:00"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"Targ
et operating system minimum version","attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2025-11-09T14:28:10.989+01:00"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"Buil
d Info","attr":{"buildInfo":{"version":"8.2.1","gitVersion":"3312bdcf28aa65f5930005e21c2cb130f648b8c3","modules":[],"all
ocator":"tcmalloc-gperf","environment":{"distmod":"windows"}}}}
{"t":{"$date":"2025-11-09T14:28:10.990+01:00"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"Oper
ating System","attr":{"os":{"name":"Microsoft Windows Workstation (build 9200)","version":"6.2 (build 9200)}}}
{"t":{"$date":"2025-11-09T14:28:10.991+01:00"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten","msg":"Opti
ons set by command line","attr":{"options":{}}}
{"t":{"$date":"2025-11-09T14:28:10.995+01:00"},"s":"I", "c":"NETWORK", "id":4648601, "ctx":"initandlisten","msg":"Impl
icit TCP FastOpen unavailable. If TCP FastOpen is required, set at least one of the related parameters","attr":{"related
Parameters":["tcpFastOpenServer","tcpFastOpenClient","tcpFastOpenQueueSize"]}}
{"t":{"$date":"2025-11-09T14:28:11.006+01:00"},"s":"E", "c":"CONTROL", "id":20557, "ctx":"initandlisten","msg":"DBEx
ception in initAndListen, terminating","attr":{"error":"NonExistentPath: Data directory \\data\\db not found. Create the
missing directory or specify another path using (1) the --dbpath command line option, or (2) by adding the 'storage.dbP
ath' option in the configuration file."}}
{"t":{"$date":"2025-11-09T14:28:11.006+01:00"},"s":"I", "c":"REPL", "id":4784900, "ctx":"initandlisten","msg":"Step
ping down the ReplicationCoordinator for shutdown","attr":{"waitTimeMillis":15000}}
{"t":{"$date":"2025-11-09T14:28:11.014+01:00"},"s":"I", "c":"REPL", "id":4794602, "ctx":"initandlisten","msg":"Atte
mpting to enter quiesce mode"}
```

CONNECTION AVEC MONGODB :

MongoDB Compass - localhost:27017/booktracker.books

Connections Edit View Collection Help

Compass

My Queries

Data Modeling

CONNECTIONS (1)

Search connections

localhost:27017

- admin
- booktracker
 - books
- config
- local

books

localhost:27017 > booktracker > books

Documents 1 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1 - 1 of 1

```
{
  "_id": ObjectId('691097570bf3f4c6717e0e1c'),
  "title": "harry potter",
  "author": "j.k. rowling",
  "pages": 100,
  "status": "Currently reading",
  "price": 200,
  "pagesRead": 40,
  "format": "PDF",
  "suggestedBy": "mom",
  "finished": false,
  "__v": 0
}
```