Stuff to do 12.3-17.3

- Study the material at Viope
  - You may study the entire JavaScript-course
    - If you encounter "advanced" topics we have not covered yet you may skip them
    - You don't necessarily need to complete entire course by 17.3 (you have couple of weeks)

- Update project documentation
  - Few slides updated in this sample documentation (server architecture+Development process)
- Work with your project
  - Update your server implementation to match server architecture (DAO-object)
  - Copy gulpfile.js from the course-directory, create client-directory with very simple app.jsx
    - Simple "hello world" is enough for the app.jsx
    - You may add a simple html-page to wwwroot that loads app.bundle.js just to see that everything works
  - Install necessary extension modules, make sure they appear in package json
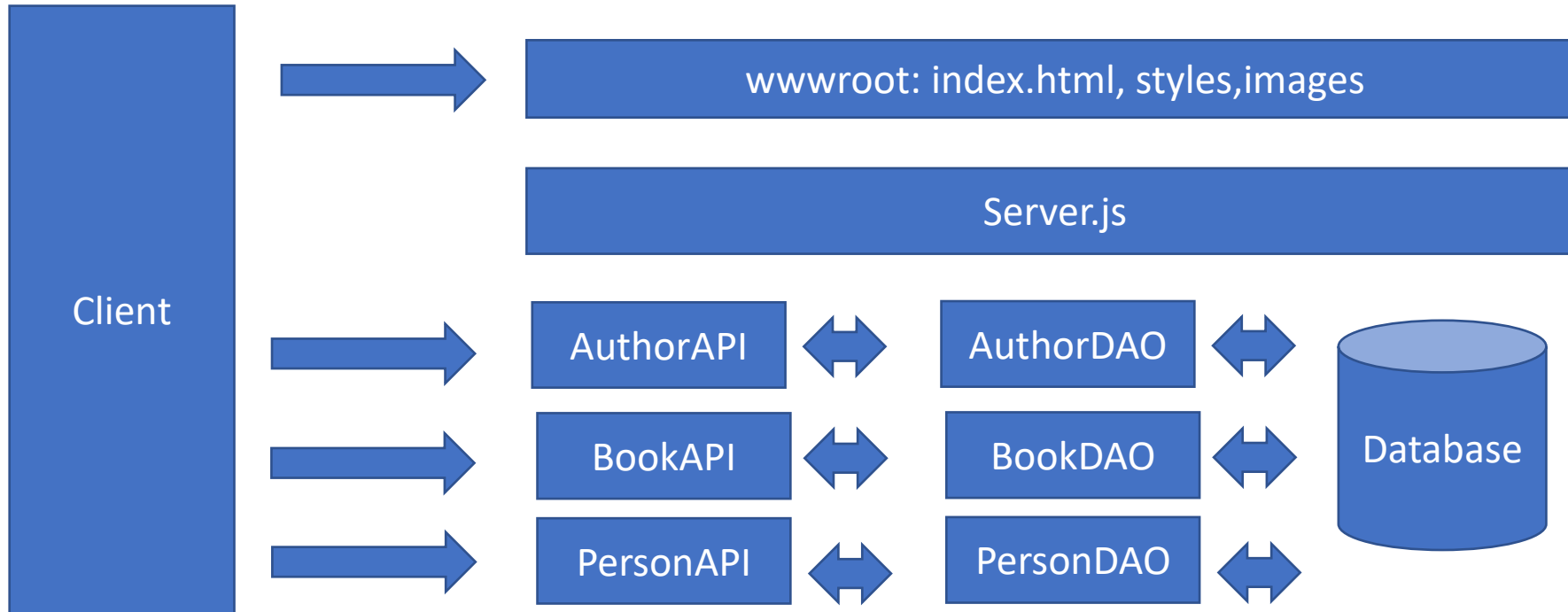 - Implement a simple test to server-directory to test the dao

Library Application

Initial structure for your project plan/documentation

Overview

- Application for managing borrowings
  - For people that have hundreds of books friends that like to borrow those
    - But do not necessarily return the borrowed books

- User
  - Able to browse the "offering" and view their own data and borrowings
  - Most likely a mobile device
- Administrator
  - Maintain all data
  - Manage borrowings
  - Can use mobile, but pc also

Architecture (Server, very initial)

- Node-Express web server
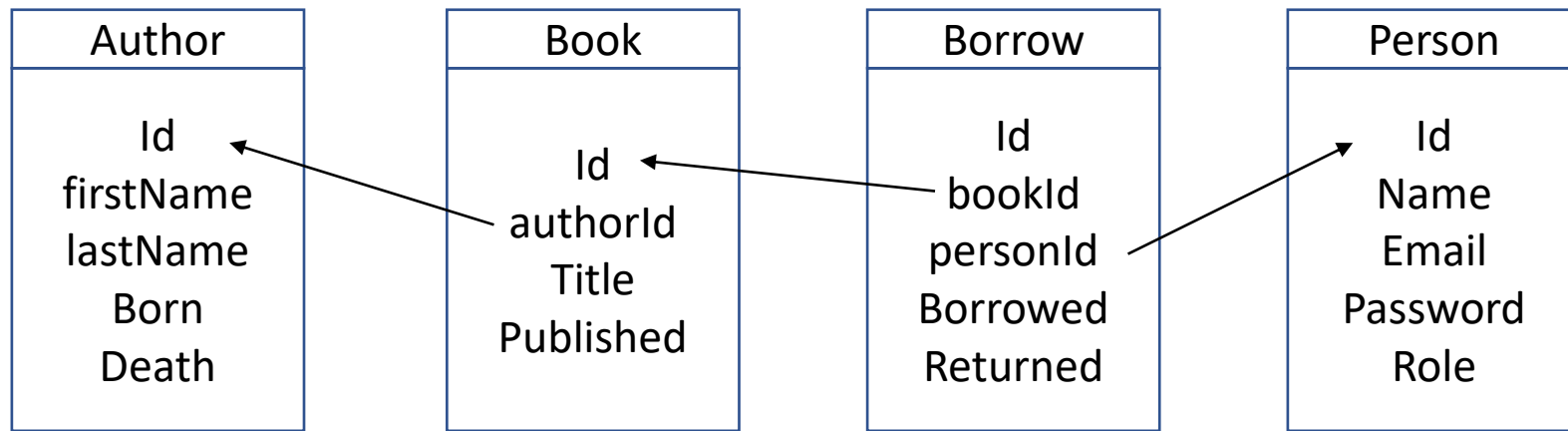- MySQL-Database, node-mysql extension

AuthorAPI

- RESTful interface to authors

Method	Url	Description
Get	/api/authors	Get all authors
Get	/api/authors/{id}	Get single author
Get	/api/authors/{id}/books	Get books of specific author
Post	/api/authors	Create a new author
Put	/api/authors/{id}	Save changes to an existing author
Delete	/api/authors/{id}	Delete a specific author

Architecture (Client, case books)

- This slide you'll complete later on

Data model

Author	Book	Borrow	Person
Id	Id	Id	Id
firstName	authorId	bookId	Name
lastName	Title	personId	Email
Born	Published	Borrowed	Password
Death		Returned	Role

First describe the data model as demonstrated above.

ALSO!!!!!

Create a json-file into mywork/json folder that demonstrates (at least partially) the datamodel above

UI

Authors   Books   Persons

Tolkien, JRR (6)   Details
xx.yy.zzzz-xx.yy.zzz   Edit

Tolkien, JRR (6)   Hide Details
xx.yy.zzzz-xx.yy.zzz   Edit
  Hobbit, zzz
  Two Towers, zzz

Tolkien

JRR

xx.yy.zzzz

xx.yy.zzzz

  Save   Discard   Delete

Option only available for administor

Make couple of slides like this, couple different use cases.

ALSO!!!!!

Create a similar folder structure to your project folder as already exists in mywork folder
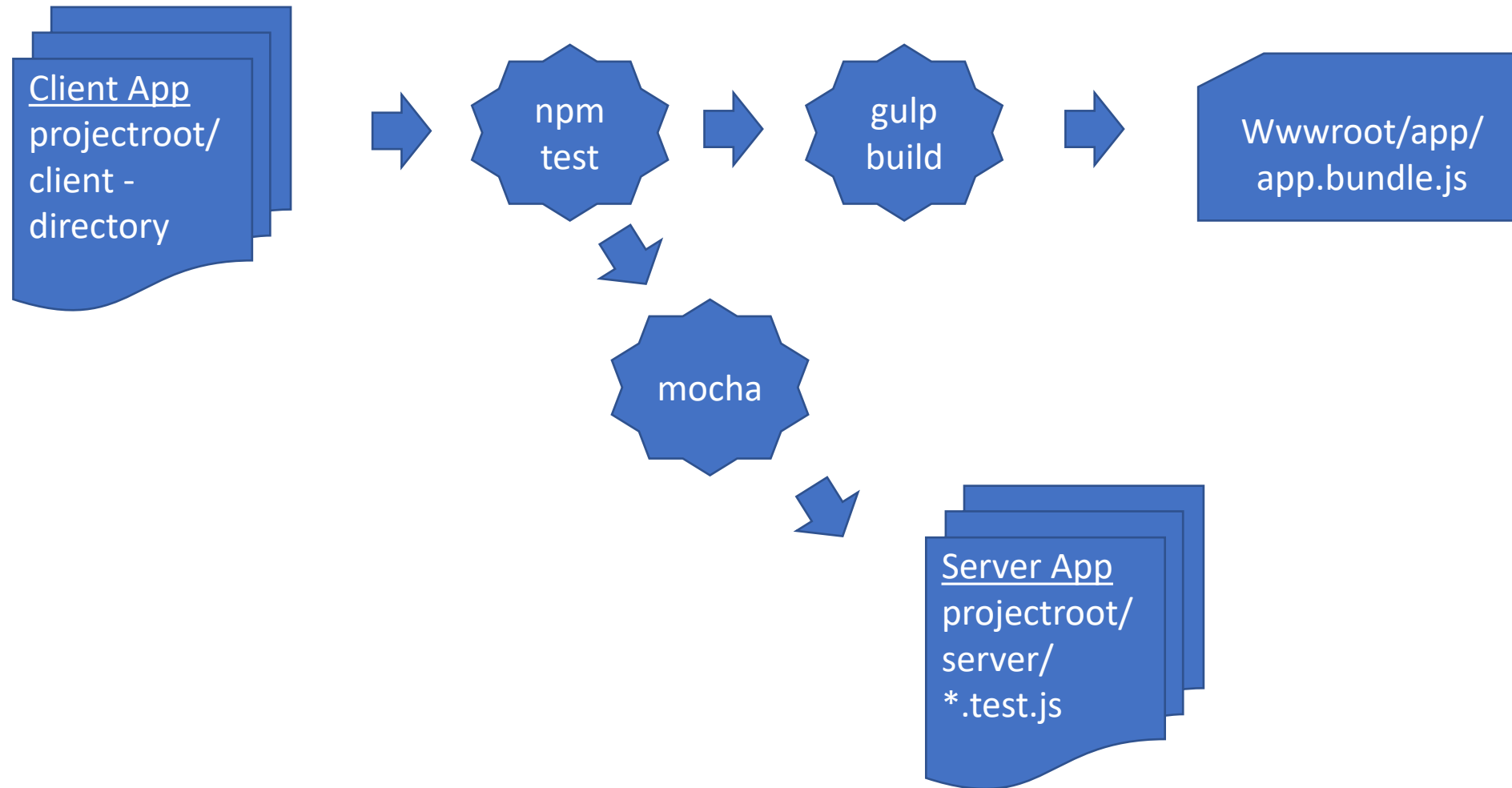
Project
--- wwwroot
   ---- styles

And create similar html-pages to the wwwroot (with separate styles.css in wwwroot/styles) as you demonstrate here.
Make the pages responsive. You can, but you don't have to, use bootstrap

Development process

Security

- This slide you'll complete later on