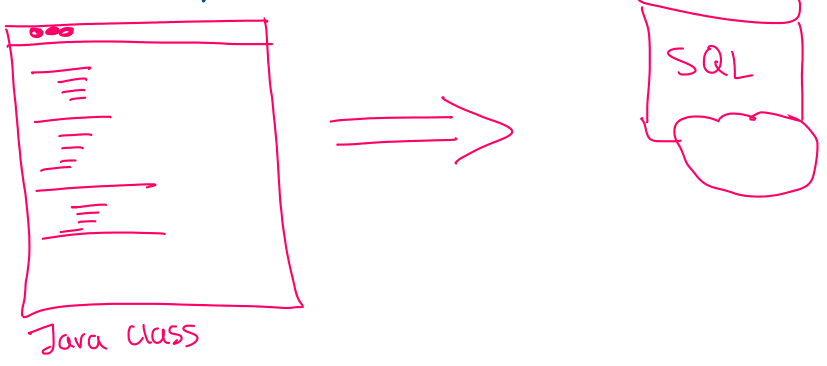
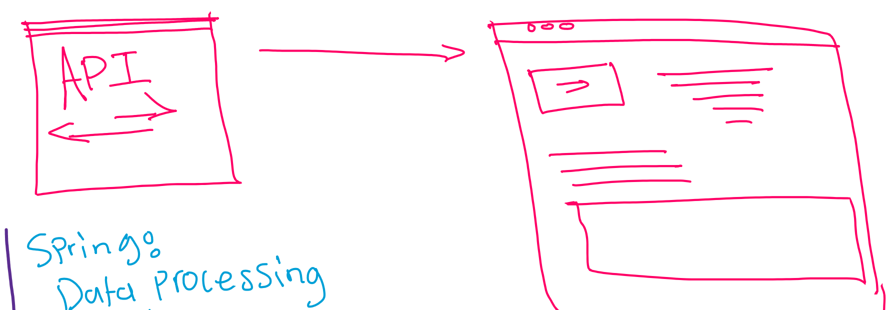
Application - SPA

Monday, February 17, 2025 00:24

Entity Class



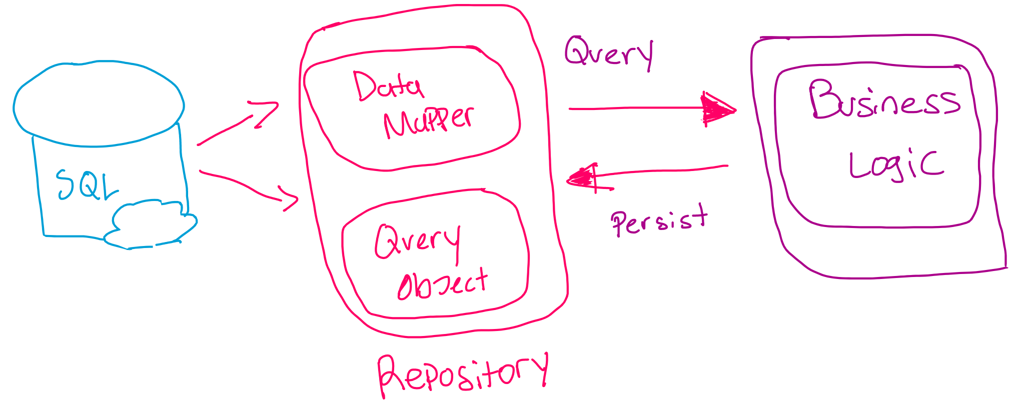


Spring:
Data processing
and business logic

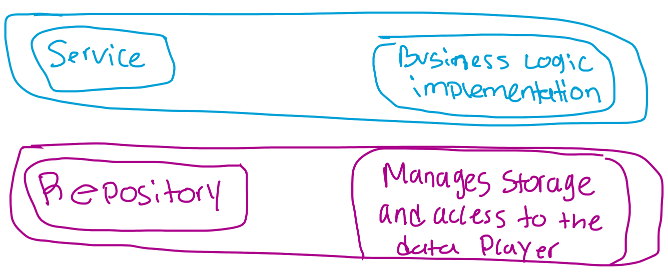
Angular:
Responsive and interactive
user experience

Spring.io
to add dependencies
and build
make an API (spring initializer)

Repository Layer

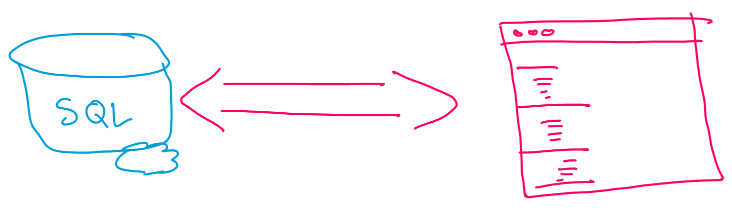


Implementing Service layer


Service — Business Logic implementation

Repository — Manages Storage and access to the data Player

Configuring Spring Boot to connect to PostgreSQL



Gradle: To build our project
- Flexibility
- Performance benefit

Bruno -> Testing the API Endpoints
or
-> PostCode for VScode extension -> to be used to create and test Simple and complex HTTP/s requests & view Responses.

GET
POST
PUT
DELETE
} Method used during API testing

Building front-end of our Application using Angular

- Angular CLI
  - Streamlines, simplifies development workflow
  - no need to spend time creating the setting
  - optimizes code

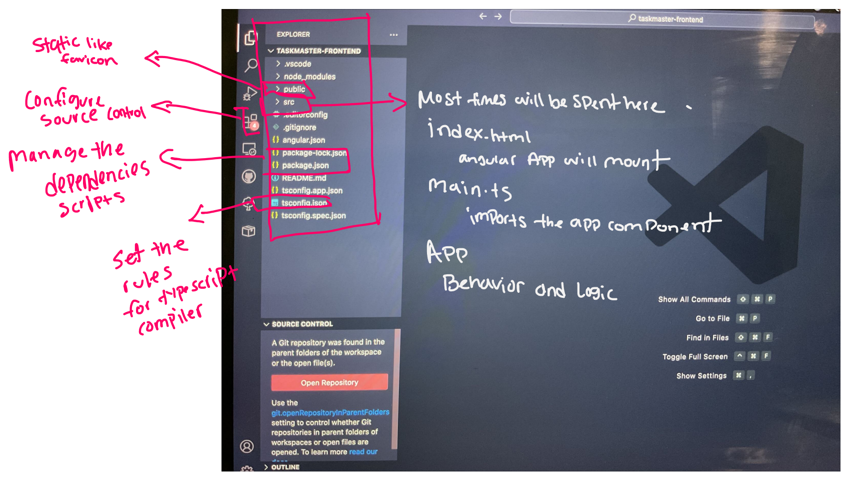
```
ng new       -> creates new angular project
ng generate  -> generate components
* ng serve   -> starts development server
```

```
ng-build -> compiles code, prep for production
ng-help  -> Learn Angular
```

Setting up:
Install Angular as global dependency

```
npm install -g @angular/cli
```

- will prompt to a few questions
  - will create



A Git repository was found in the parent folders of the workspace or the open file(s).

Use the git.openRepositoryInParentFolders setting to control whether Git repositories in parent folders of workspaces or open files are opened. To learn more read our

Most times will be spent here.
index.html
angular App will mount
main.ts
imports the app component
App
Behavior and Logic

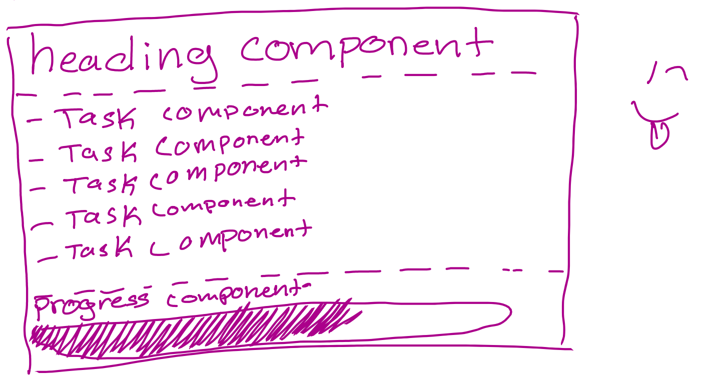
Defining the interfaces: In typescript
- safety and Predictibility
  - type safety

Typescript compiles Javascript
- predictable code
- Easier debugging
- Single Source of truth

Creating static components

- heading components
- task components
- progress components

a component is a way for us to encapsulates the template and behavior for a given application


heading component
- Task component
- Task Component
- Task component
- Task component
- Task component
Progress component