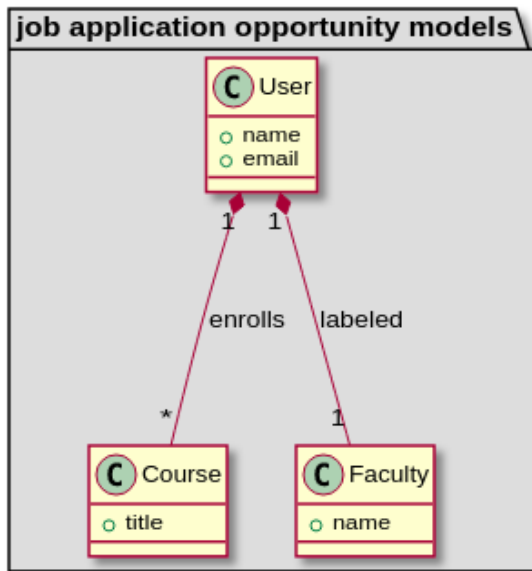


1 - Modeling Phase

As you can see it in here in this git repo.

1 - Class diagram modeling



Just simple as that.

2 - Coding Style

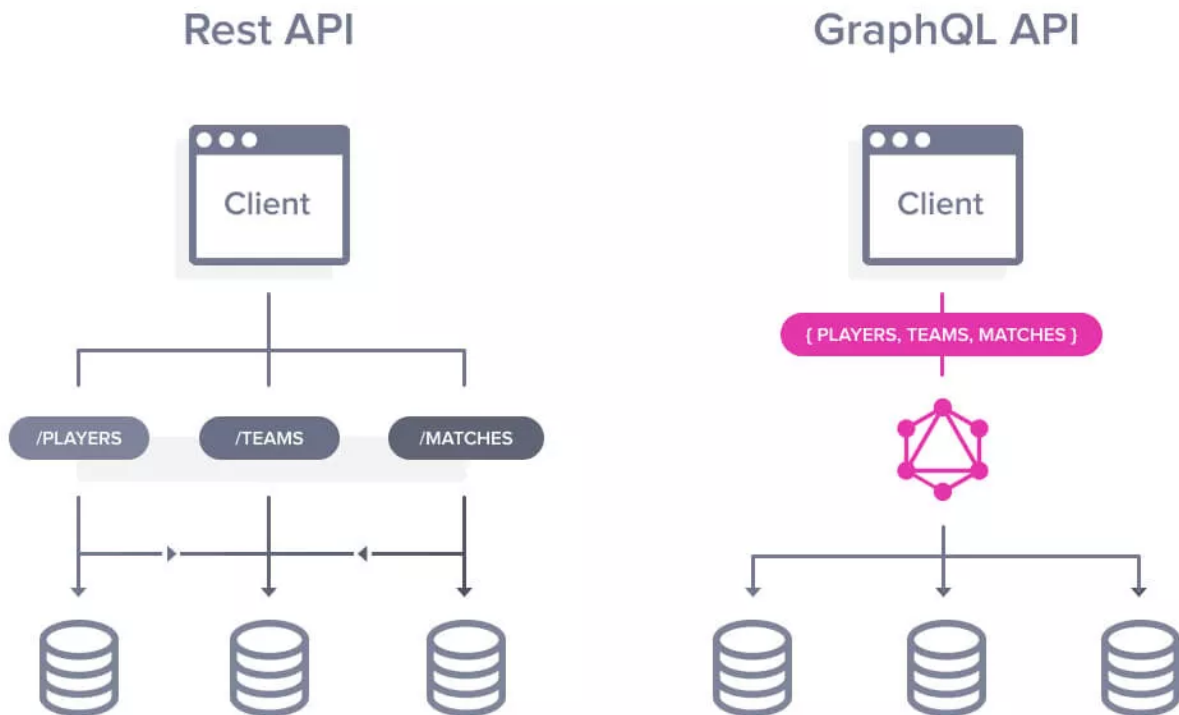
ES6/7/8/9 based syntax in nodejs and the browser bundled script transpiled to common cross browser polyfilled es2015 with babel.

3 - Backend Types

The first is a simple **REST** tech based, i used a simple module named **finale** that generate REST routes for every model and taking care of their associations which makes the request more consuming.

the second is a more advanced, lightweight and on demand **GraphQL** based.

As you see the best more modern and efficient saving $n+1$ requests per 1 time : **GraphQL** is the winner here, i used the schema first approach to generate the api, ~~there is a code first approach which is so disgusting.~~



4 - React Based Frontend

As i didn't have much time for getting started in react with so much configuration... so lazy there, i used a more advanced very popular react based framework which is of course **Gatsby.js** for consuming the two seperate apis.

5 - Screenshots of these projects

[Be Labeled In Faculty Here](#)

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<div><div><div></div><div></div></div></div>	6	faculty1	Unbound	
<div><div><div></div><div></div></div></div>	7	faculty3	3	

5 rows

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1-5 of 5

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6 - Commands to run the projects

```
npm start
```

in the 3 projects directories.

Thanks For your time ...

Waiting for feedback ...