

Building forms with Dependency Injection pattern in React

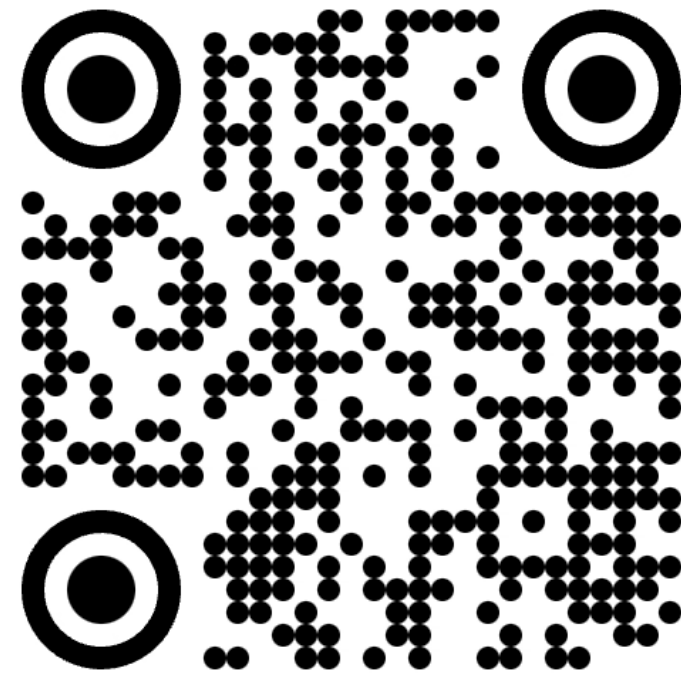
Who Am I?



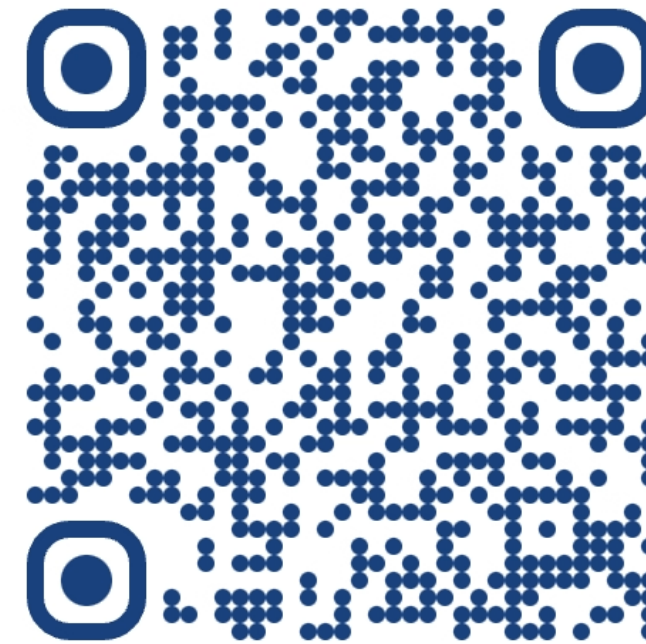
Keyur Paralkar

Front-end developer👨‍💻; Book enthusiasts📖; Love to Unravel and Build Complex UIs

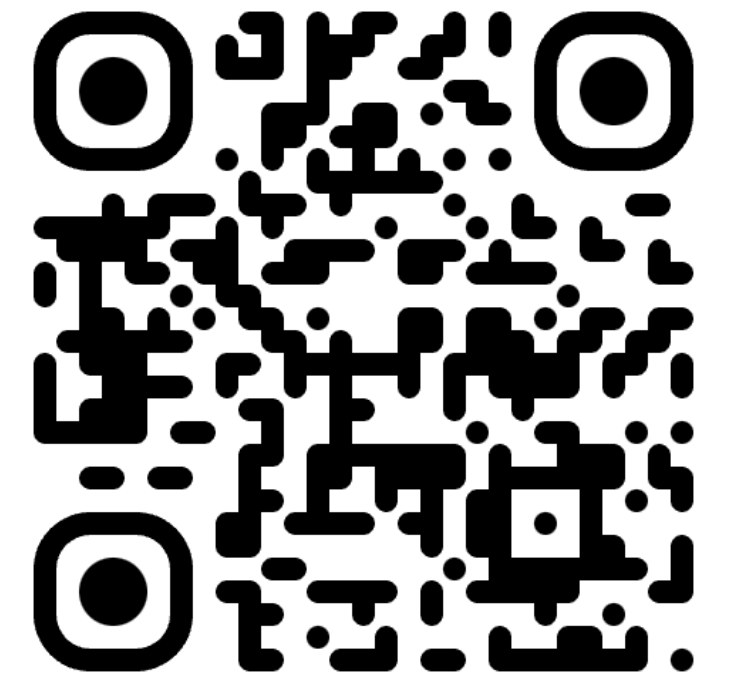
Follow me on



X



LinkedIn



GitHub

The What?

- We are building a JSON based HTML form
- Examples: <https://jsonforms.io/>

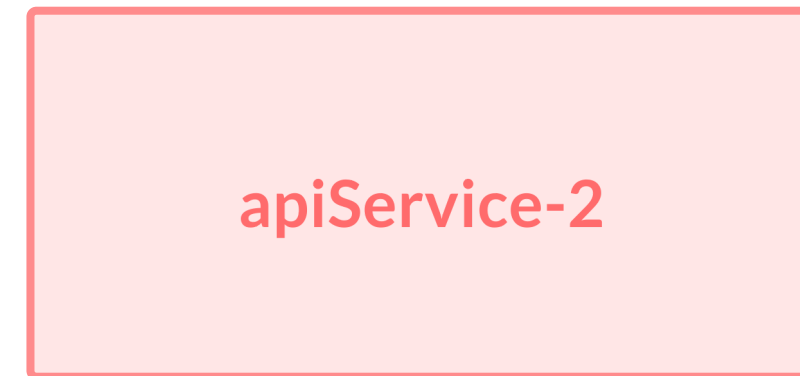
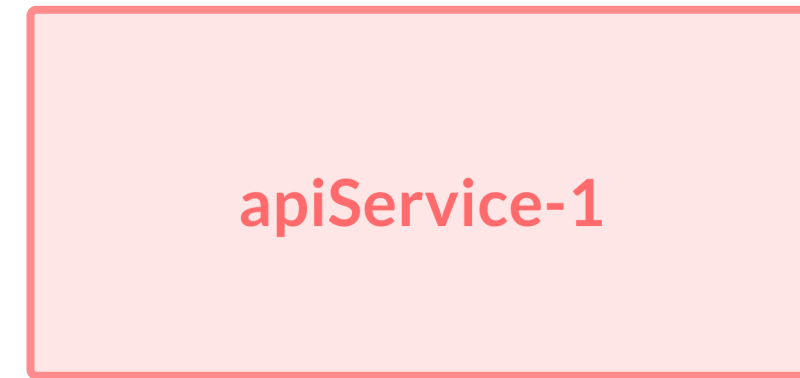
The Why?

- Development Experience
- Turn Around Time
- Testing

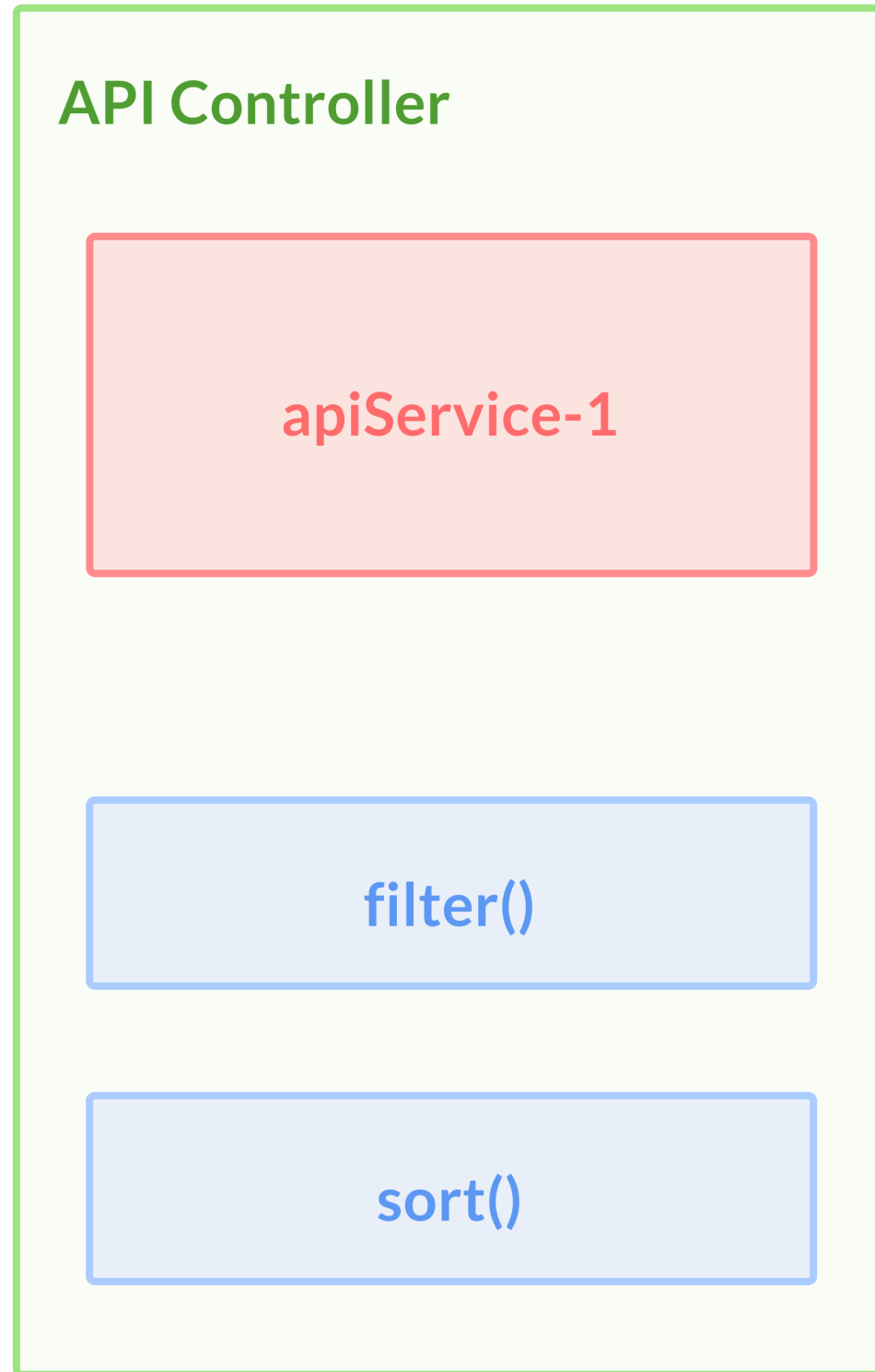
The How?

- What is Dependency Injection
- Project Architecture

What is Dependency Injection?



Dependency Injection in classes



Dependency Injection in classes

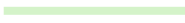
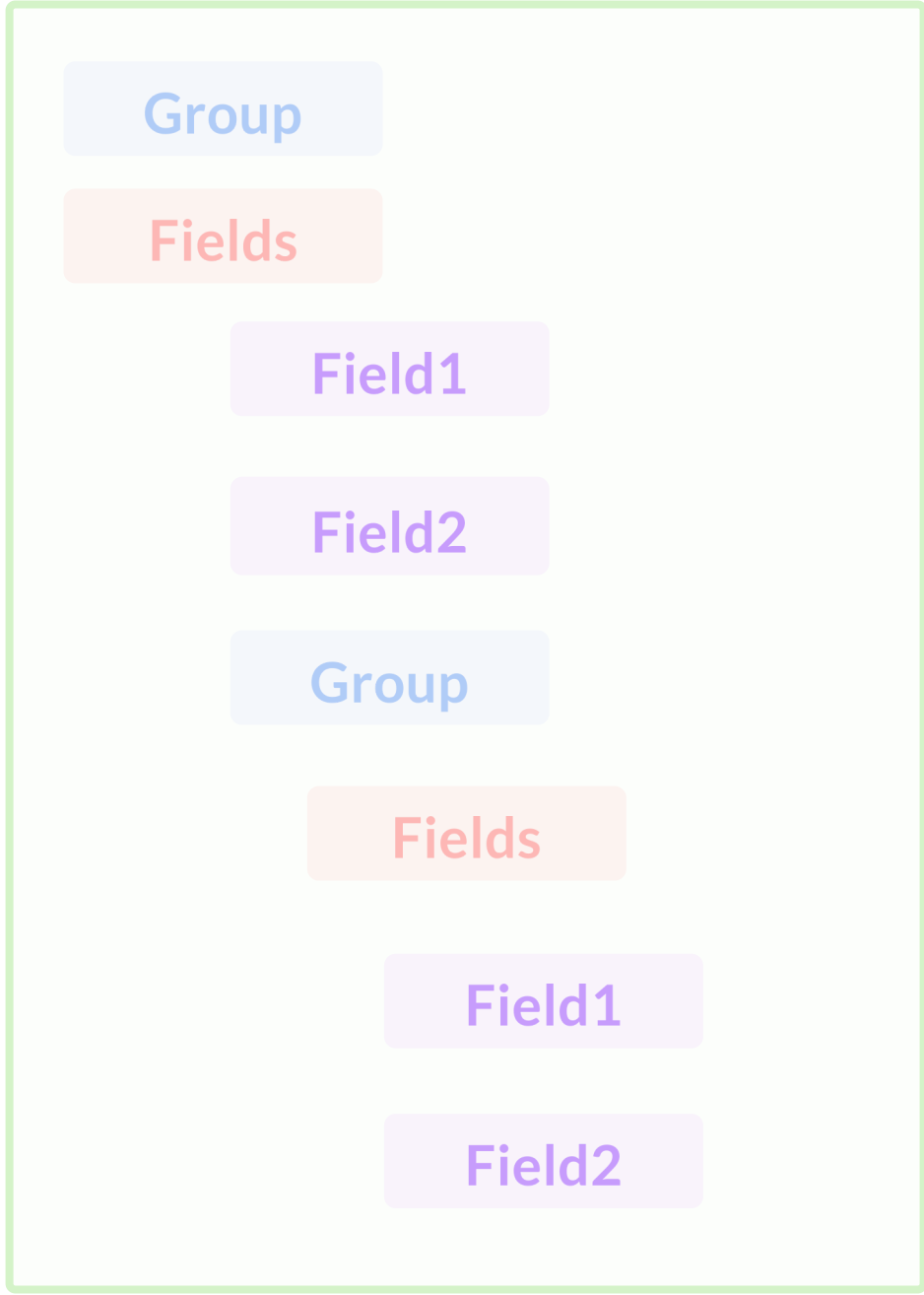
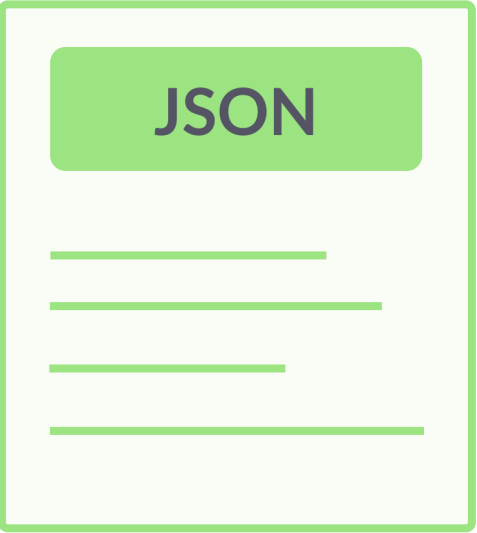


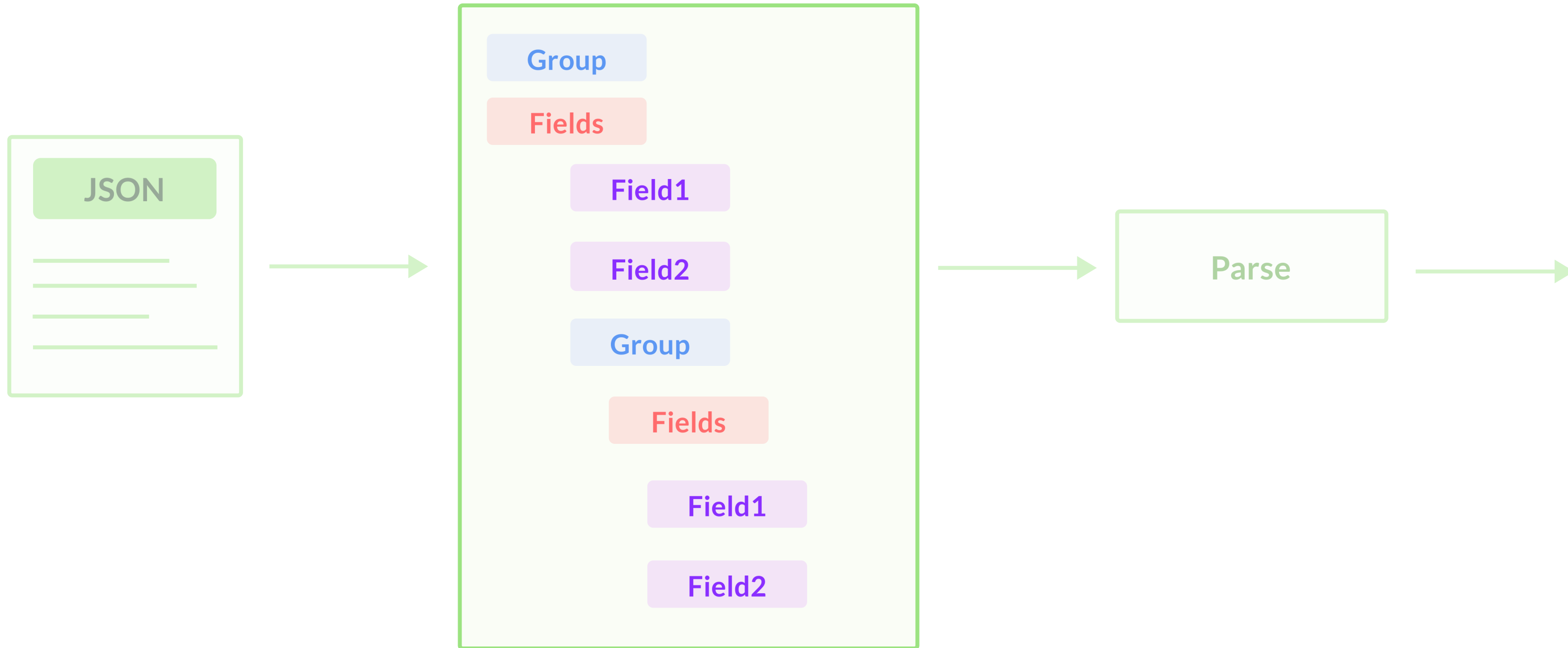
Dependency Injection in classes

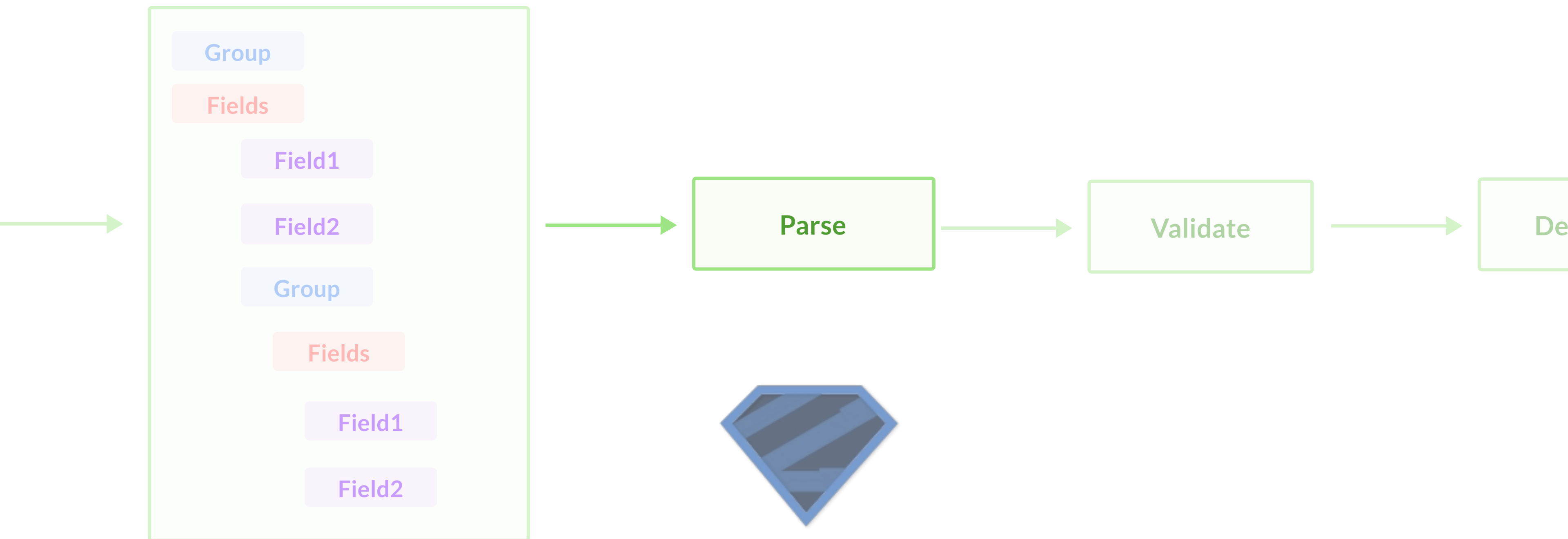
```
<Component  
  hasError={errors}  
  handleClick={onSubmit} />
```

Dependency Injection via Props in React

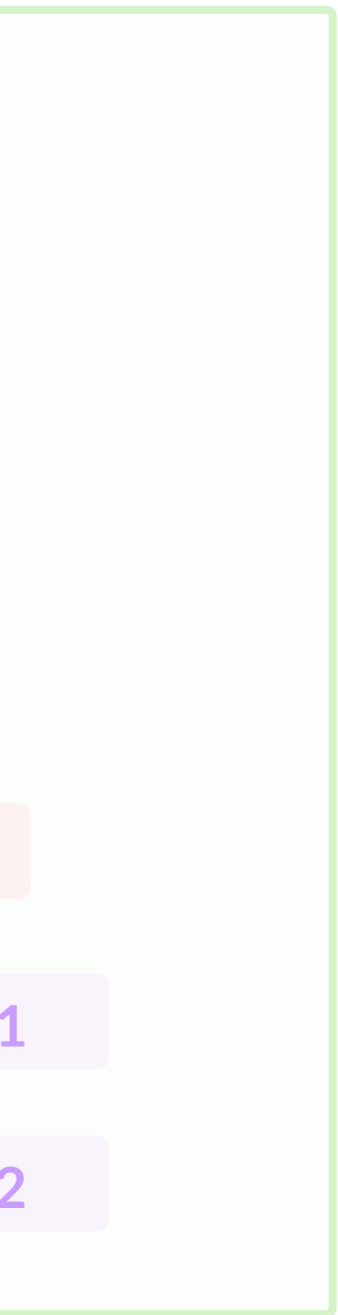
Project Architecture







Zod



Parse



Validate



Define Form State



Zod



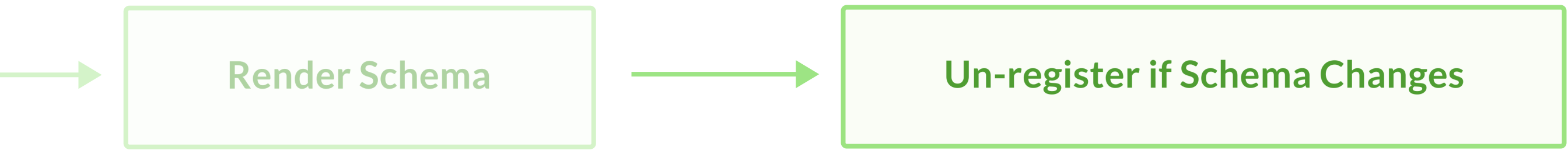
React Hook Form

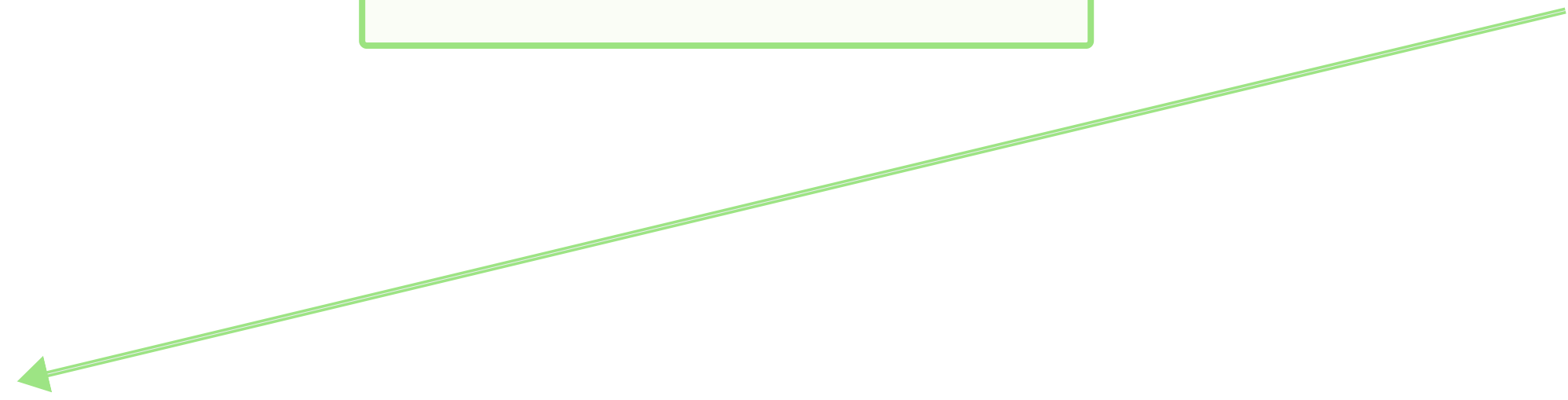
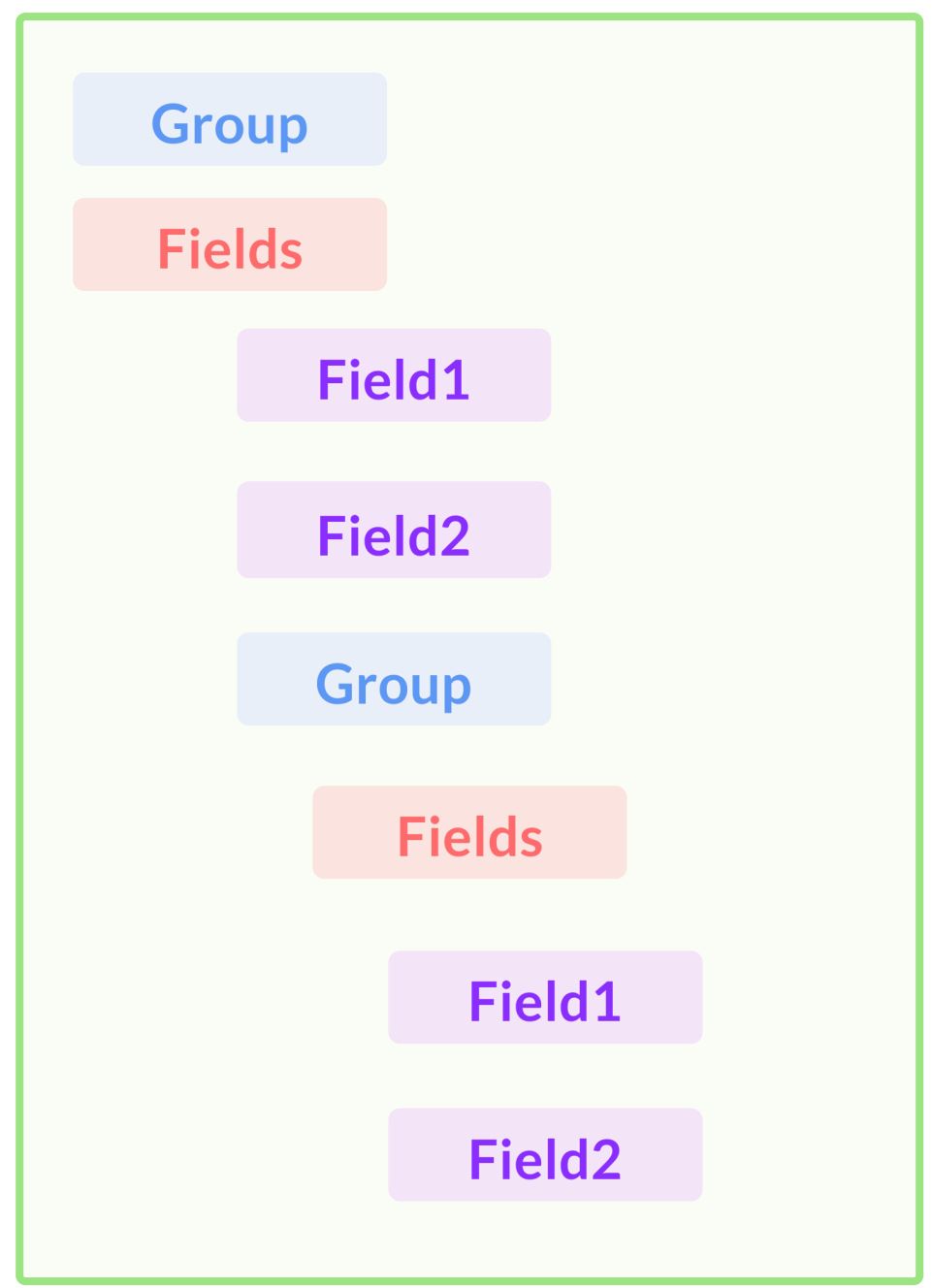

```
graph LR; A[ ] --> B[Define Form State]; B --> C[Render Schema]; C --> D[Un-register if Schema Change];
```

Define Form State

Render Schema

Un-register if Schema Change





Let's Dive into the Code

json-to-form github



Do  the Repo