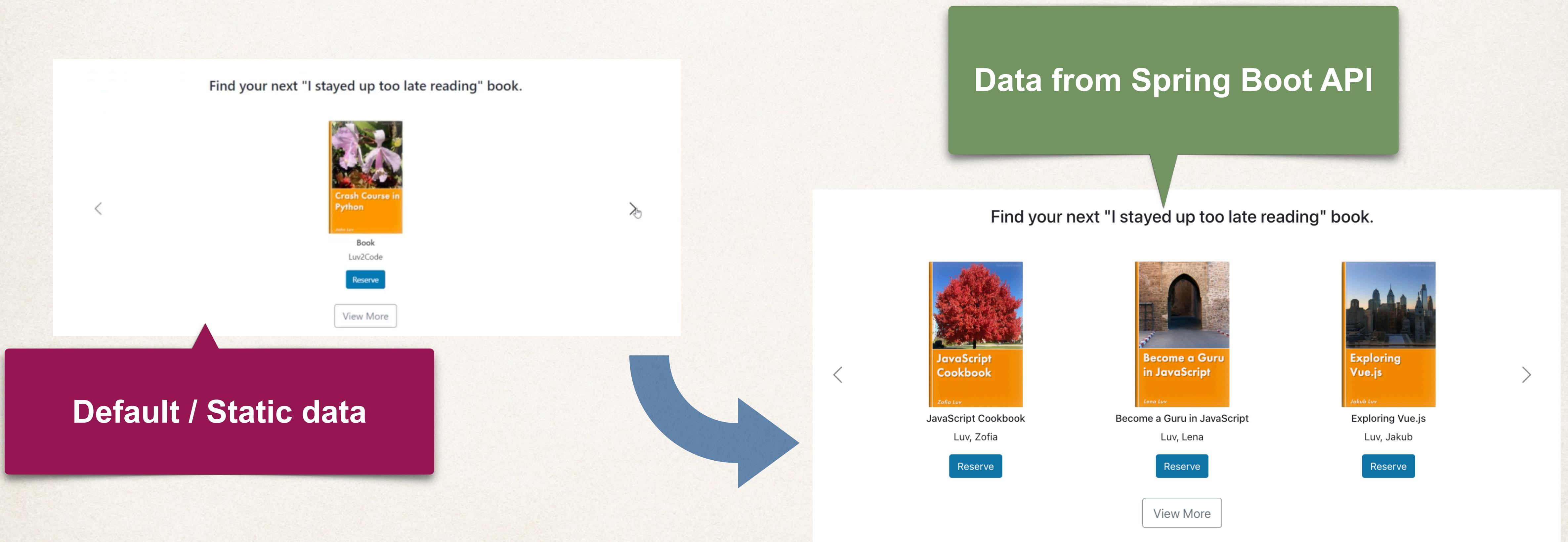


Consume Carousel Book API



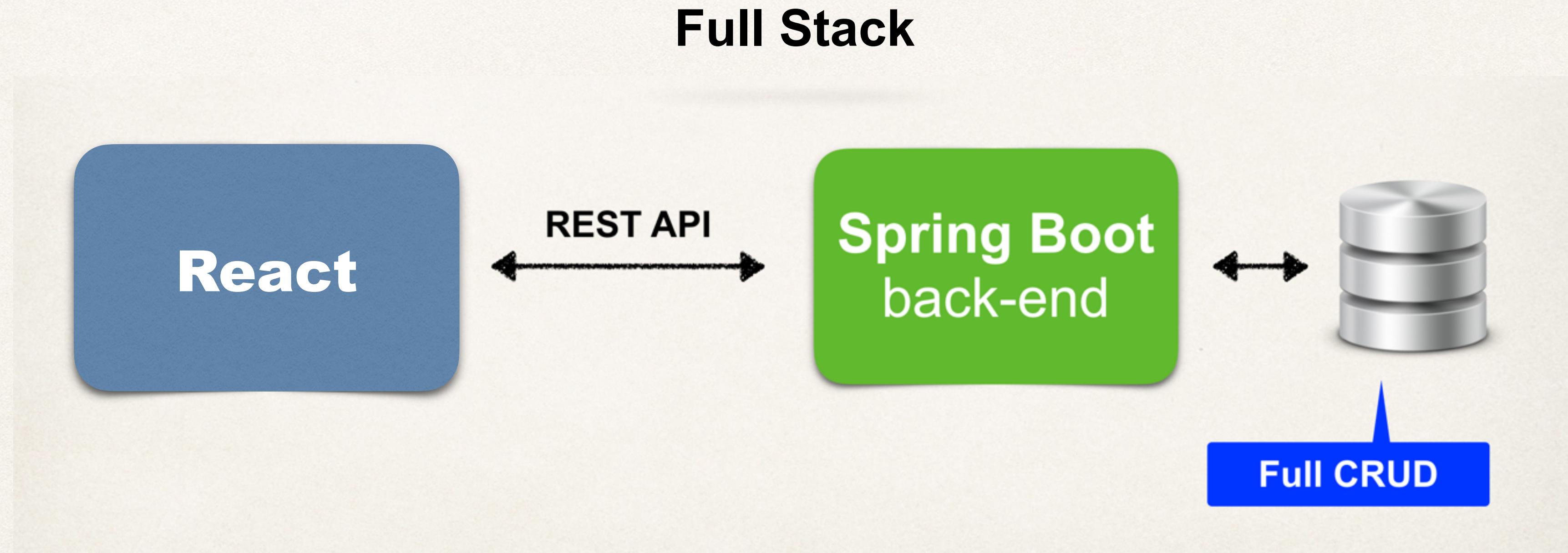
REST API

- Now we need to fetch our Books APIs to get books to populate our carousel



React Front End

- Create React Front End components
- Retrieve data from Spring Boot REST APIs



Calling Spring Boot API from React Application

- JavaScript **fetch** functionality

```
useEffect (() => {  
  
    const fetchBooks = async () => {  
  
        const baseUrl: string = "http://localhost:8080/api/books";  
  
        const url: string = `${baseUrl}?page=0&size=9`;  
  
        const response = await fetch(url);  
  
        const responseJson = await response.json();  
  
        const responseData = responseJson._embedded.books;  
  
        ..... (more code) .....  
    };  
  
    fetchBooks().catch((error: any) => {  
  
        setIsLoading(false);  
  
        setHttpError(error.message);  
    })  
  
, []);
```

useEffect: React Hook that tells our React app that it needs to do something after render. In this case, fetch information for our carousel.

fetch(): JavaScript method that is an easy way to fetch resources (data) asynchronously across a network. In our case calling the Spring Boot API endpoint.

Stop loading the app once call is complete