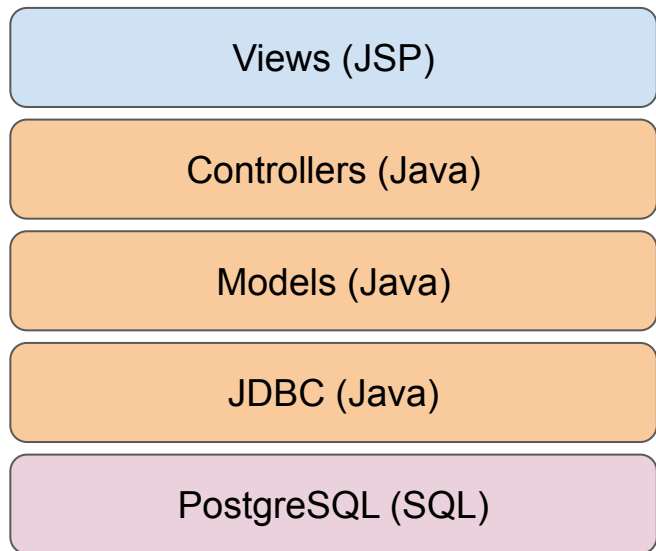
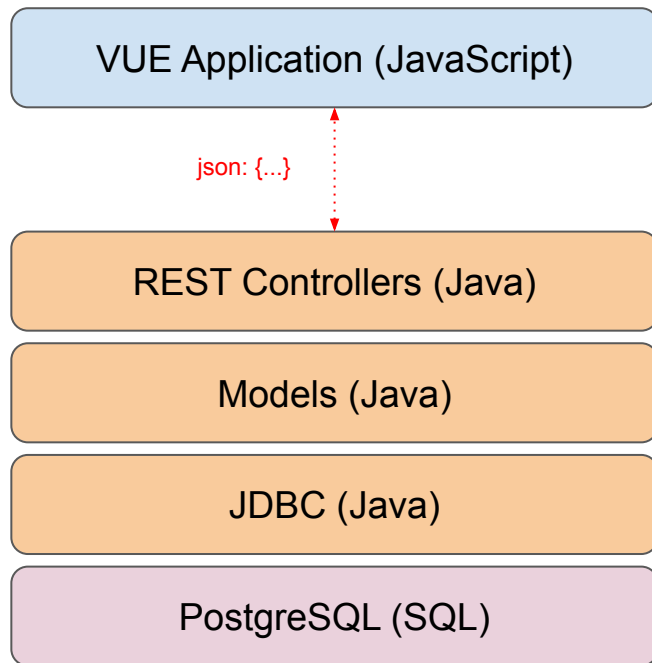


Consuming API's in VUE

Module 3 vs Module 4 (Comparing Stacks)

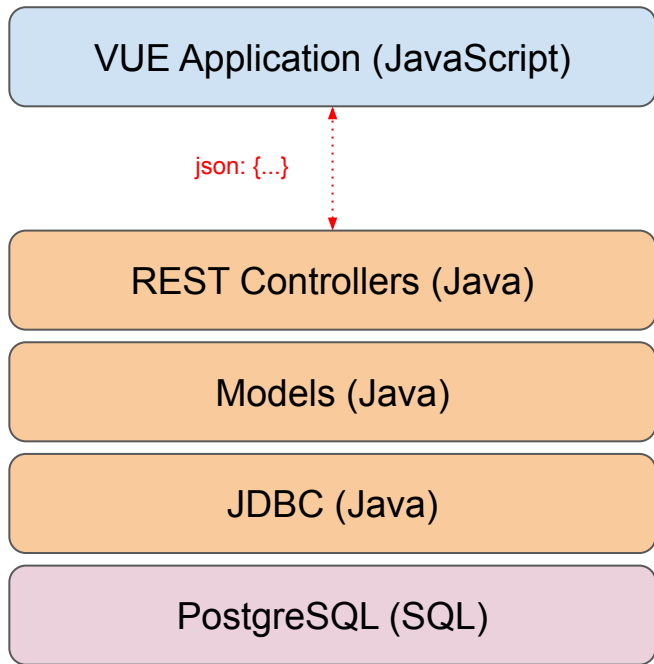


Module 3



Module 4

Consuming API's with VUE



We will use all the techniques we've learned so far in VUE to construct an application capable of consuming a REST API.

The key technique from vanilla JS we will use is fetch.

Requests to a REST Endpoint

Recall that a REST controller can be configured to handle various types of requests. Let's review them:

- **GET**: Ideally suited to retrieve all the records from a REST endpoint.
- **GET (with path variable)**: We can configure path variables (i.e. puppy/1) to retrieve a single record of data.
- **POST**: Ideally suited for inserting new data into the data source.
- **PUT**: Ideally suited for updating an existing record within a data source.
- **DELETE**: Ideally suited for removing an existing record from the data source.

Response Status Codes from a REST Endpoint

Once a request is made, the REST server can respond with specific status codes:

- **200**: All's well, the request was successful.
- **4XX**: The client (you or your application) has not structured the request correctly. Common examples of these are 400 Bad Request and 401 Unauthorized Request.
- **5XX**: The server has encountered some kind of error. The most common of these is the 500 Internal Server Error message.

Calling fetch within a VUE application

```
createReview() {  
  fetch(this.apiUrl,{  
    method: 'POST',  
    headers: {  
      "Content-Type": "application/json"  
    },  
    body: JSON.stringify(this.review)  
  })  
  .then((response) => {  
    if(response.ok) {  
      // do something if no errors  
    }  
  })  
  .catch((err) => console.error(err));  
},
```

- The fetch should be invoked within a VUE method.
- In addition to the url, we might need to provide header or body data.
- In this particular example, everything is wrapped inside a VUE method called createReview()

Let's consume a REST endpoint

- In this example, we will use MockAPI.