

I've construct the back-end with modern technologies:

- **Java8**
- **Spring Boot (embedded Tomcat server)**
- **Maven**
- **JPA**
- **H2 (in-memory database)**

The app can be run by Running the project as a Spring Boot application from an IDE.

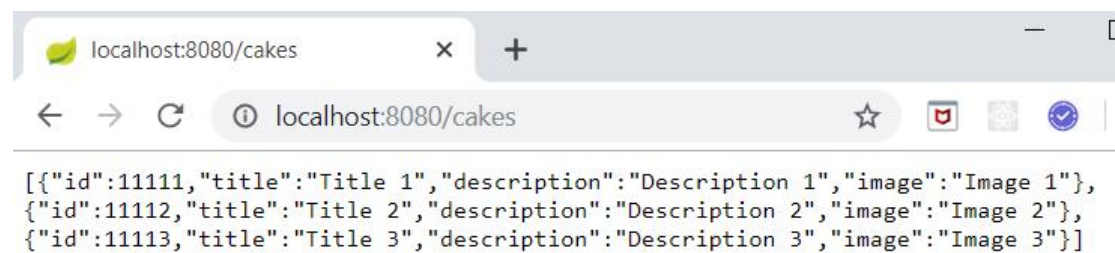
I've used STS (Spring Tool Suite), which is a variation of Eclipse.

I've implemented `"/cakes"` endpoint to return list of cakes.

In addition, adding a new cake is possible via same endpoint, as requested.

List of Cakes information is returned as JSON object.

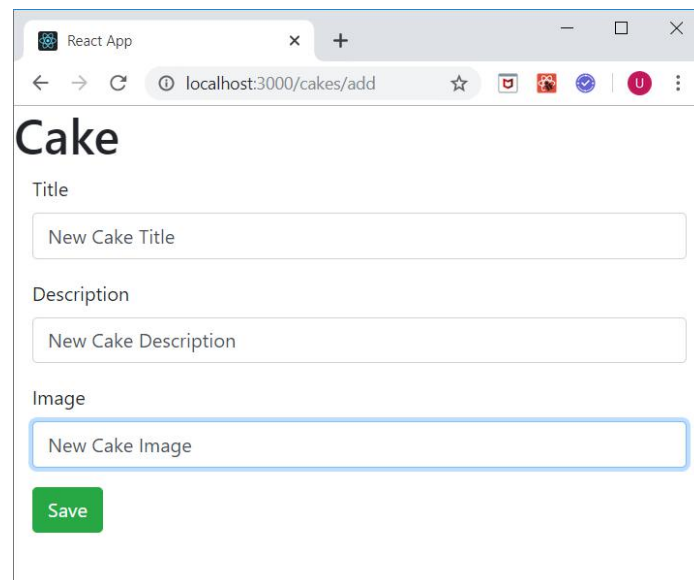
This is the image of browser when `localhost:8080/cakes` is visited:

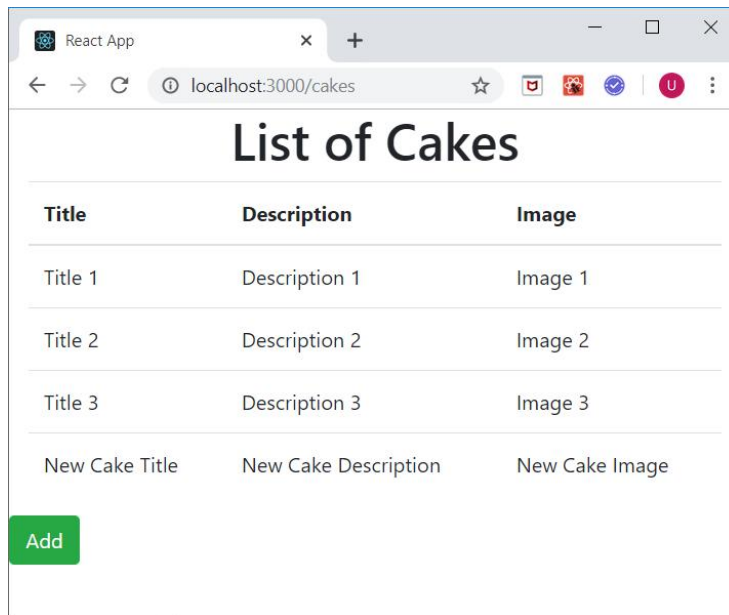


For front-end, I've implemented a **React** app, including a simple list and cake-adding screen.

Screens are pasted below for reference.

For CSS, I've used **bootstrap.css** file.





To connect front-end with back-end, I've used **Axios**.

In addition, I've set up the testing environment for back-end with **Junit** and **Mockito**.
Sample tests are being coded and runned successfully.