

Assignment 3 - React CPU website

Purpose

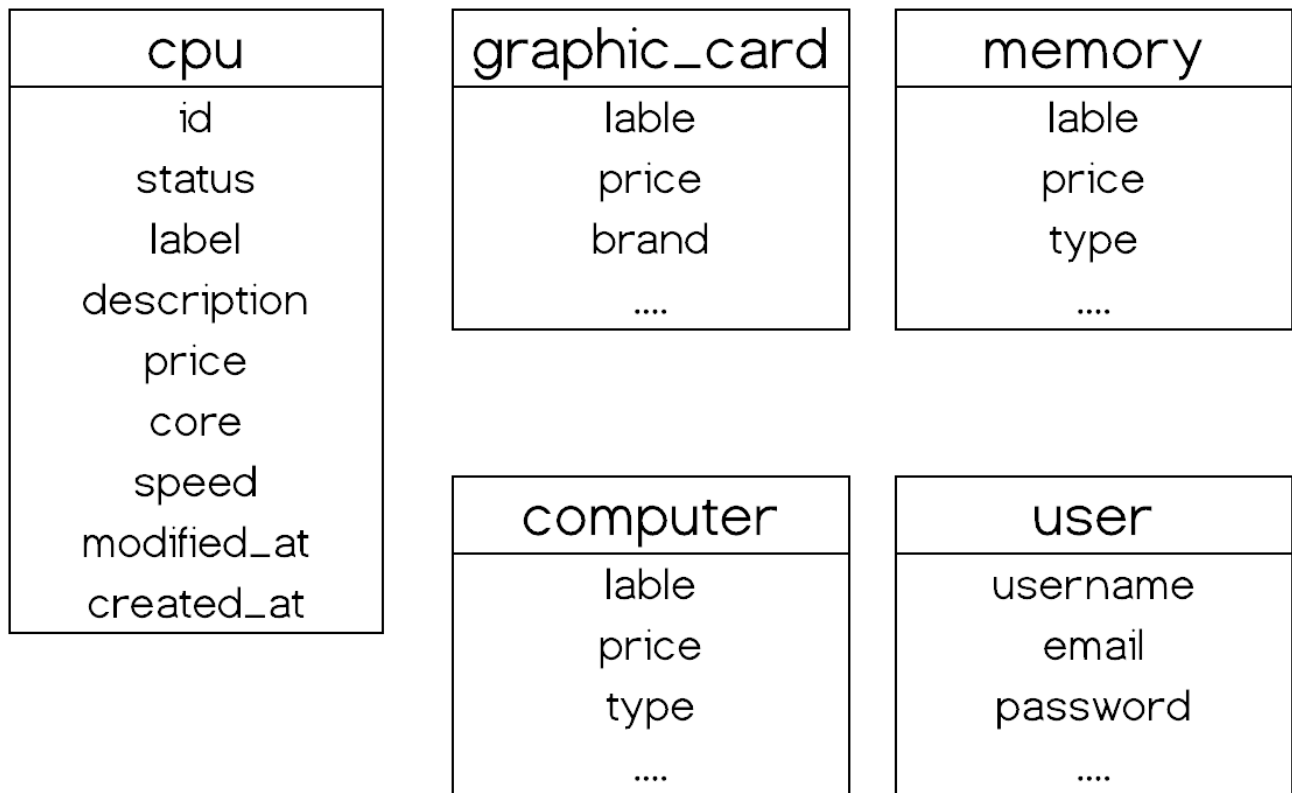
Using Spring boot to create a Restful API and Create an SAP (Single Page Application) using react to help administrators to collect the computer related data. This is a simple intro to react and restful API

Due Date

(1)(2) 2020.09.12

(3) 2020-09-16

Program Description



Your task for this project is to take the following system description with the provided ERD.

The **CPU** entity contains a label, status, description , price ...

At least pick label, status, description , price or more fields which let user to input (like your assignment 2)

Tech Stacks

Frontend: React, React Router

Backend: Spring Boot, MySQL

Steps:

1. Using Spring Boot to create a CPU API. the APIs should support the basic **CPU** CRUD such as

- List all cpus
- Create a cpu game
- Get selected cpu details (getOneById)
- Update cpu details
- Delete a cpu

2. Convert Assignment 2's Code to React Component to implement (no router), add, edit(detail) and delete cpu features

In Class Demo is required (website): 2020.09.12

Due Date: 2020.09.12

3. Connect your Component based using React Router

In Class Demo is required (website& postman): 2020.09.16

- Due Date: 2020.09.16

Submit Assignment

Create a repo called **UC-React-CRUD** and submit the github link by due date

Tip / Readings / Sources Cited

1. How to use postman: <https://www.youtube.com/watch?v=7E60ZttwlpY>
2. Defining JPA Entity: <https://www.baeldung.com/jpa-entities>
3. How to use JS fetch: <https://developers.google.com/web/updates/2015/03/introduction-to-fetch>
4. During step 2, you may need to design your react components to make your table work, read "How to design&assemble react components": <https://zh-hans.reactjs.org/docs/thinking-in-react.html>
5. For step 3, React Router docs: <https://reacttraining.com/react-router/web/example/basic>