Singtel wants to launch prepaid customer portal. For that one of our product owners created below user stories

User Story 1: Customer should be able to search for available plans.

Example data: Plan name: “Singtel-Basic”, cost: “10 SGD”, details: “100 SMS, 500 calls, 5 GB”.

User Story 2: Customer should be able to top up with selected plan.

User Story 3: Customer should be able to search for add on features.

feature 1: data:10 GB, cost: 5 SGD

feature 2: 100 SMS, cost: 1 SGD

feature 3: data 100 GB, cost:20 SGD

User Story 4: Customer should be able to top-up their selected add-ons with their existing plan.

User Story 5: Customer should be able to remove their addon feature.

Description:

Please note that above is the basic requirement and you can have your own imagination on creating the sample data.

There is no right or wrong approach only thing you need to provide justification on your solution if anyone asks.

Acceptance Criteria:

Each user story contains each API endpoints and make sure you should follow below steps,

1. Please provide API contract details. It can be swagger or postman or any other document.
2. API must use minimum of 3 to 4 HttpMethods (GET/POST/PUT/DELETE/PATCH/HEAD/etc.,)
3. API must be protected you can use any security mechanism.
4. Project must keep readme.md file to explain the project.
5. You can use any Database.

Good to have:

1. Need to have integration test using mockmvc.
2. Make sure 80% code coverage you can use jacacco plugin in your pom file.

Expected to use, Spring Boot 3, Maven, Java 17