Microservices ASSESSMENT

Springboot + REST

Thanks for taking out time for this assessment and we wish you the best!

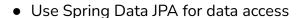




- 1. Build microservices to facilitate personal finance management.
- 2. Create RESTful APIs using latest version of Springboot
- 3. Follow APIFirst OR CodeFirst design
- 4. Along with the working code, submit Swagger specifications and postman collections to test the APIs
- 5. Create project repositories on your personal Github account, push the code and share the repository links
- 6. Ensure the README file in each project contains instructions to start the services, along with the Swagger specifications and Postman collections.

The Problem

- Create a set of microservices which allows users to manage their finances by setting budgets, tracking expenses and receiving alerts for budget exceedances.
- Consider Inter service communication.
- Notifications should have following details
 - Budget category Eg., Groceries
 - Budget Amount
 - Expense description
 - Expense amount



- Use H2 in-memory data
- Keep APIs open (no authentication/security required)









Ratings Weightage

Ratings for the assessment would be determined using the below criteria



Design & Approach

Criteria	Weightage
Well defined domain boundaries	4
Inter-service communication design	2
Domain driven database design	2
Failure Handling/Resilience	2

Coding

Criteria	Weightage
Applications starting without errors	2
Completion of all essential APIs	2
REST API best practices (resource naming, methods, status codes, etc)	2
Clean code	2
Unit Tests and documentation	2