

Implement a simple patient hub service with provides a CRUD operation on patient and certain patient resources (Feel free to define patient resource as per your imagination). Demonstrate the following in this implementation:

- Implement caching using Spring Cache to retrieve patient data.
- Demonstrate Spring Boot's configuration management capabilities. Externalize application properties using property files or environment variables.
- Implement custom exception classes and handle common scenarios like validation errors or resource not found.
- Ensure profile-based configuration, enabling different configurations for different environments (dev, qa, prod)
- Add minimal unit test cases.

You get Brownie points: If you can dockerize this application and present (just a slide) a pipeline for this service.