**MyStay Application**

Global Summit is an Indian based hospitality company which is planning to collaborate with various business hotels to create a web based platform to book guest rooms. This is mainly targeted for business travelers and individuals.

Global Summit is requires a team who can develop APIs/web services with following main features:

**Search:**

* Search the suitable room
* Different types of rooms – luxury, semi-luxury and budget
* Filters: distance, price etc.,
* Blank text search for experienced users

**Book a room:**

* New booking: This should help users to book a room by giving date & time
* Integrate with a payment gateway (mock)
* Booking history

**Services:**

* Showcasing services and offers to users

**Login (Login for both user and admin):**

* Sign-up
* Login
* Admin should be enabled to add/delete/update room and price details

**Technical expectations:**

Use following technologies to implement the application:

1. Spring Boot with web services (REST or SOAP)
2. SOAP UI
3. Maven, SonarQube, Junit, Jenkins, Jmeter, GitLab, and Azure App service
4. Spring security with JWT/OAuth
5. Logging the user activities

**Following points must be considered while developing the application:**

* Define Domain model
* Unit testing of all layers including the DAO
* RESTful services between services – include timeouts
* Spring security with JWT/Azure ID/OAuth
* Spring Boot with componentized framework
* Logging the user and developer activities