Technical Playground Use case

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ALTIMETRIK

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AD & I

User Authentication System

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Theme: Develop a Web API which is/can be easily hosted on a Docker image that does the following Steps:

1. Develop a Web API to Add users to a commonly available DB.

2. Construct Web API's to handle a CRUD operation for an Entity.

3. Develop an API to read an XLS file and parse the data and save to DB (Validate the file data and file format and size)

4. Expose an API that can retrieve a Token for Authentication (that will be used when you are invited for next stages of selection)

5. **Develop an API to handle Multi-Tenant activity (Maintain two Entities in the System, One entity belonging to one particular client shouldn't be visible to another client)**

Technology Stack to be Used

1) UI Implementation.
1. Angular JS.
2. React JS.
3. HTML5.

2) Restful Web Services based implementation.
1. Spring MVC, Boot.
2. JAX-RS.
3. Implement Micro services for required APIs.

3) Database Interaction.
1. Spring JDBC Template
2. Hibernate.

4) Unit Testing
1. Junit
2. Mockito (If required).

5) Development Process.
1. Agile Development :Convert the Use Cases to smaller user stories and start implementing.

thank you!