1. **System architecture**

Spring container

****

Firebase/PosgreSQL

Tomcat server

Browser

HTTP requests

****

JPA/Firebase API

Render

****

HTTP responses

JSP

Picture 1: System architecture

1. **N-tier architecture**

****

**Browser**

**(Edge/Chrome)**

Client side

Java.security

Tomcat server

**HTTP**

**server**

Server side

Spring controller

JSP

Presentation

Layer

Spring

Service

**Provide**

**Provide**

Java security

Business

Layer

**Provide**

Database Access Object

Spring container

**Support**

JPA

Data Access

Layer

**Support**

HIBERNATE



**Database**

**server**

PosgreSQL