**Step by Step Instructions to Setup Project Architecture in Local Machine**

**Step 1-**

Install Eclipse Spring Suite Plugin

**Step 2-**

Download below 2 Spring Boot Projects from this lecture and Import Projects into Eclipse.

1. SpringBootRestService (Consumer Microservice) -Library

2. Courses (Provider Microservice). - Course

**Step 3-**

Install MYSQL and Run below DB Scripts on MYSQL WorkBench

https://www.digitalocean.com/community/tutorials/how-to-install-mysql-on-ubuntu-20-04

**\*\*\*\*\*\* SpringBootRestService Microservice\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

CREATE DATABASE APIDevelopSpringBoot;

use APIDevelopSpringBoot;

CREATE TABLE Storage2(book\_name varchar(50),id varchar(50),

isbn varchar(50),

aisle varchar(50),

author varchar(50),PRIMARY KEY (id));

INSERT INTO Storage2(book\_name,id,isbn,aisle,author) values("Microservices","hrtge43","hrtge","43","Shetty");

INSERT INTO Storage2(book\_name,id,isbn,aisle,author) values("Selenium","khuys21","khuys","21","Shetty");

INSERT INTO Storage2(book\_name,id,isbn,aisle,author) values("Appium","ttefs36","ttefs","36","Shetty");

select \* from Storage2;

**\*\*\*\*\*\* Courses Microservice\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

CREATE DATABASE Courses;

use Courses;

CREATE TABLE storage2(course\_name varchar(50),id varchar(50),

price int,

category varchar(50),

PRIMARY KEY (course\_name));

INSERT INTO storage2(course\_name,id,price,category) values("Microservices testing","2",23,"api");

INSERT INTO storage2(course\_name,id,price,category) values("Selenium","3",66,"web");

INSERT INTO storage2(course\_name,id,price,category) values("Appium","12",13,"mobile");

**Step 5-**

Update the DB Properties into Spring Boot Projects

**Step 6**

Start the Spring Boot Server

**Step 7**

Test the server

**Step 8-**

Walk through the code in high level

Reference Link:

https://mvnrepository.com/artifact/au.com.dius.pact.consumer/junit5/4.1.32

https://codersociety.com/blog/articles/contract-testing-pact

https://github.com/pact-foundation/pact-jvm

https://github.com/coder-society/contract-testing-nodejs-pact

https://blog.risingstack.com/consumer-driven-contract-testing-with-pact/

https://github.com/pact-foundation/pact-js

https://reflectoring.io/pact-node-provider/

https://www.mariedrake.com/post/contract-testing-with-pact-js-and-jest

https://www.npmjs.com/package/@pact-foundation/pact

https://www.youtube.com/watch?v=1-PPN4IzluM

https://docs.pact.io/implementation\_guides/javascript/