



# Spring Boot Microservices

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Beginner to Guru

Introducing SFG Beer Works



## SFG Beer Works

- SFG Beer Works is a set of Spring Applications to showcase microservices and Spring Cloud
- Theme of the services is beer distribution
- **Beer Consumer** - Creates demand for beer
- **Pub** - Provides beer to Beer Consumer, reorders beer from the Distributor
- **Distributor** - re-stocks beer to Pubs, orders beer from Brewery
- **Brewery** - Brews beer, supplies beer to distributor



## SFG Beer Works



Beer Consumer

### Beer Svc

- Kotlin
- WebClient



Pub

### Pub

- WebFlux.fn
- Spring Data Mongo
- MongoDB



Distributor

### Distributor

- WebFlux
- Spring Data Mongo
- MongoDB



Brewery

### Brewery

- Spring MVC
- Spring Data JPA
- Hibernate



2019



## Coming up in the Course!

- Each service will be used to demonstrate specific features
- Coding exercises will be done against GitHub repositories specific to the course lessons
- Will follow the use of branches to show before and after states of the source code
  - Exactly like my other courses
- Your workflow should be to fork the repository to your own GitHub repo and follow coding examples in the course
  - Recommended to become familiar with comparing branches in Git
  - Helpful to troubleshoot problems





## Scope of Course

- Focus of this course is on microservices with Spring and Spring Cloud
  - Prerequisite of this course is to be familiar with Spring Framework and Spring Boot
  - You should be familiar with most of the content covered in my Spring 5 Beginner to Guru course
- Thus this course will not get getting too in-depth with Spring fundamentals, Spring Data, Spring Data Mongo, etc.





## Spring Cloud Content

- Will continue to use course specific repositories for coding exercises
- Expect to transition to 'Release' repositories
  - Similar to the 'Pet Clinic' project from the Spring Framework 5: Beginner to Guru
- New GitHub Organization - sfg-beer-works
- Course specific repositories will be under 'springframeworkguru' GitHub account
- Release Repositories will be kept under 'sfg-beer-works' GitHub organization





## Release Repositories

- Expect fully featured Spring applications
- Applications will have features not covered in this course
  - Such as scheduled tasks, logging, mappers etc
- We will be working with 'Release' artifacts for deployments under Spring Cloud
  - jar files in Maven Central
  - Docker images in Docker hub
- This is exactly how you would work with Spring applications in the enterprise

