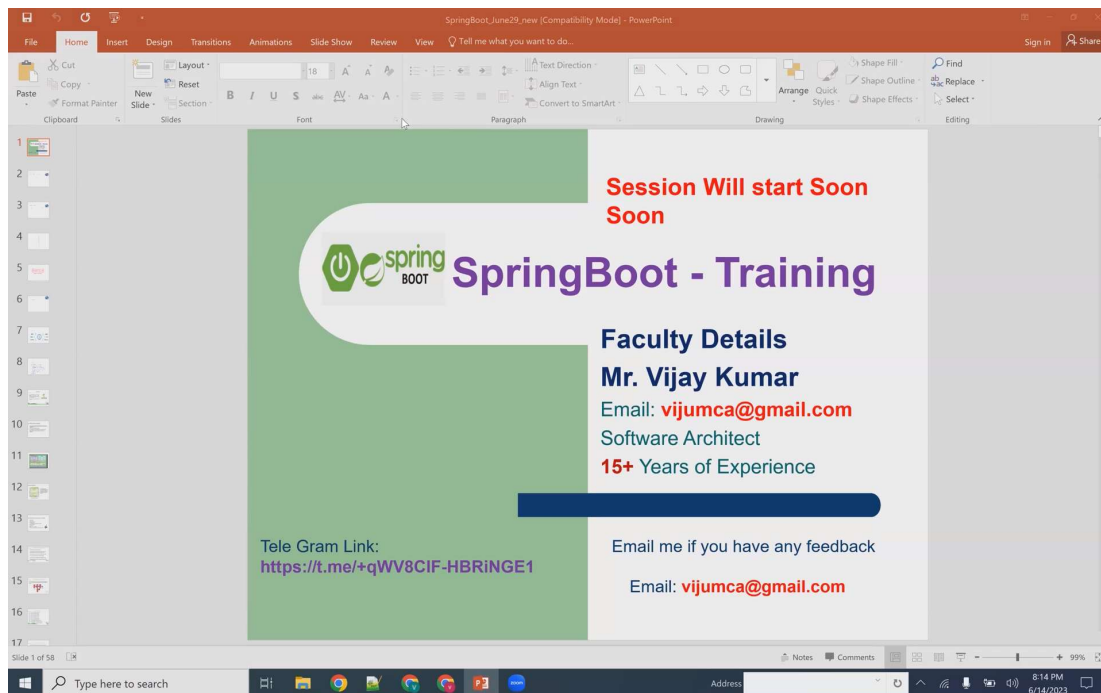


## Demo Session - 01

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### Basic Questions you have in your mind



- 1) I don't know Spring , but can I learn Spring Boot
- 2) Are we going to cover real time examples in this course
- 3) Will this course will help me in getting job for interview
- 4) Can we propose any new topic , if its missed in the course content
- 5) Are we going to cover Advanced Security Concepts like JWT,OAUTH etc.
- 6) Are we going to cover angular integration with Sboot
- 7) Any Docker introduction with Spring Boot
- 8) Do we get real time scenario on Micro services integration with Eureka Registry, ZUUL Proxy, API Gateway, Hystrix Breaker with any FE
- 9) ELK Stack with spring boot Overview

### realtime examples

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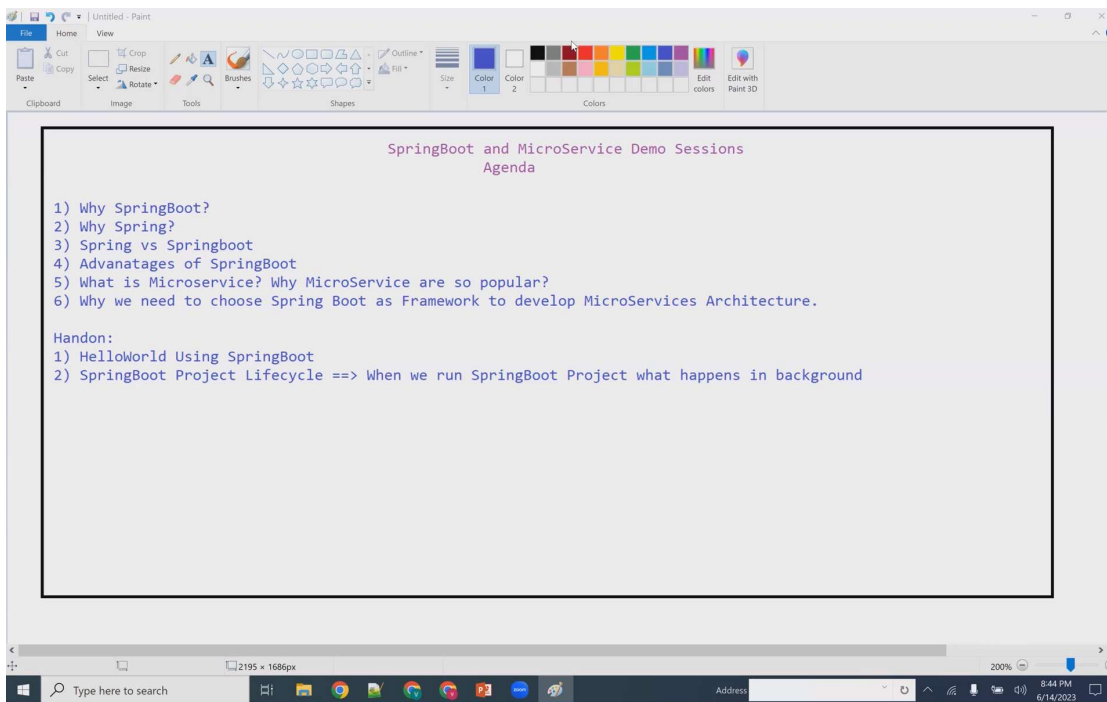
microservices arch	in stock market
Event driven architecture	in Ecommerce website

## Prerequisites & Duration



- 1) **Core & Adv. Java with Multi threading, JDBC**
- 2) Knowledge on ORM Frameworks
- 3) Knowledge on REST Web services
- 4) Spring Basics – Core Layer
- 5) **Learning Zeal & Passion till end of last class**
- 6) Course Content – Will discuss end of session
  
- 7) Duration: 60 Classes (Minimum)

## Agenda

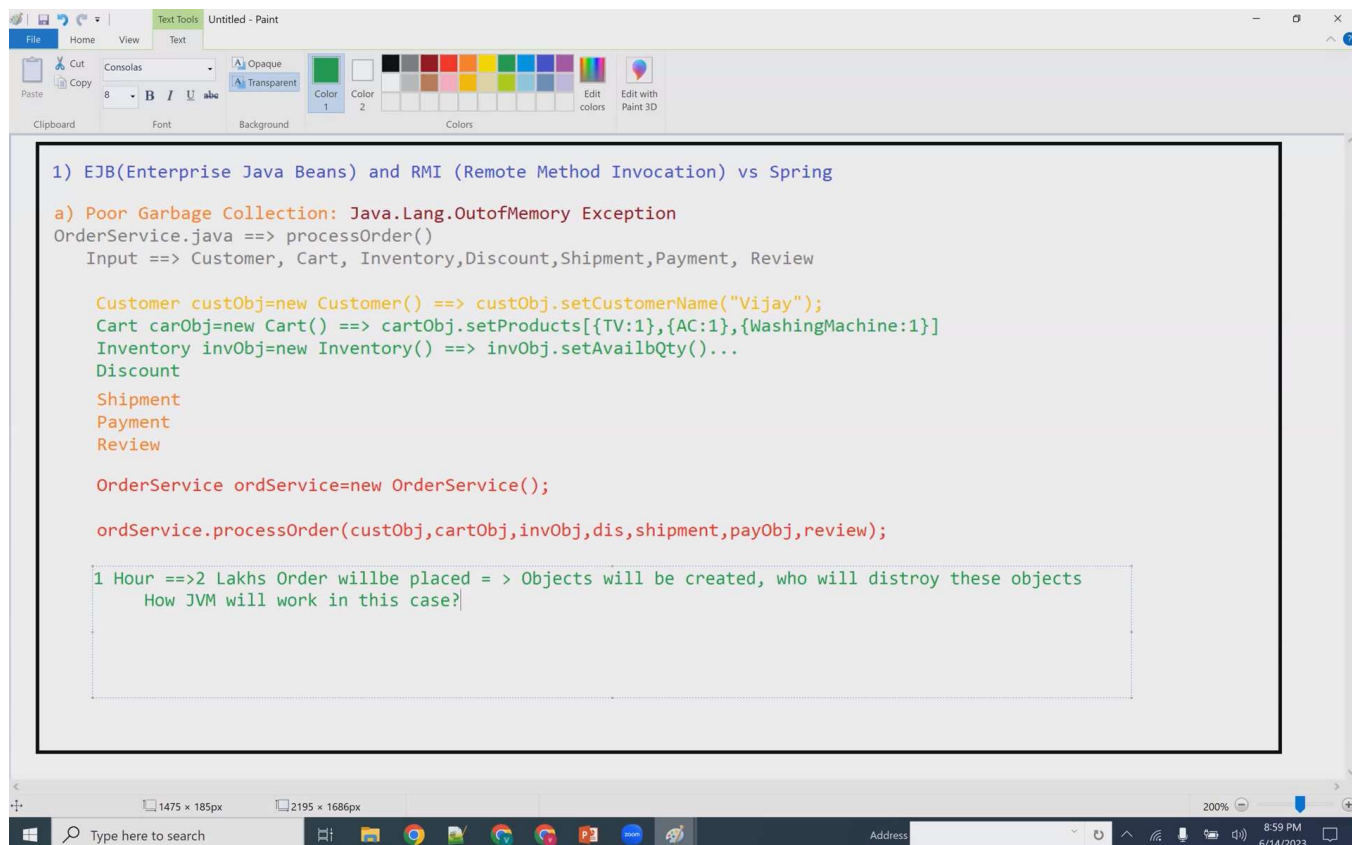


# What frameworks we have before Spring Boot , Spring into IT and Why we need to learn Spring Boot

going 2 decades back

## 1. EJB (Enterprise Java Bean) and RMI (Remote Method Invocation) Vs Spring limitations

Poor Garbage Collection(apart from the Spring) :	Java.Lang.OutOfMemory Exception.
	if Garbage Collection not working efficiently, then above problem will arise.



```
1) EJB(Enterprise Java Beans) and RMI (Remote Method Invocation) vs Spring
a) Poor Garbage Collection: Java.Lang.OutOfMemory Exception
OrderService.java ==> processOrder()
Input ==> Customer, Cart, Inventory,Discount,Shipment,Payment, Review

Customer custObj=new Customer() ==> custObj.setCustomerName("Vijay");
Cart carObj=new Cart() ==> cartObj.setProducts[{TV:1},{AC:1},{WashingMachine:1}]
Inventory invObj=new Inventory() ==> invObj.setAvailbQty()...
Discount
Shipment
Payment
Review

OrderService ordService=new OrderService();

ordService.processOrder(custObj,carObj,invObj,dis,shipment,payObj,review);

1 Hour ==>2 Lakhs Order willbe placed = > Objects will be created, who will distroy these objects
How JVM will work in this case?
```

the above problem is solved in spring using IoC(Inversion of Control) and Dependency Injection

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Session Completed.