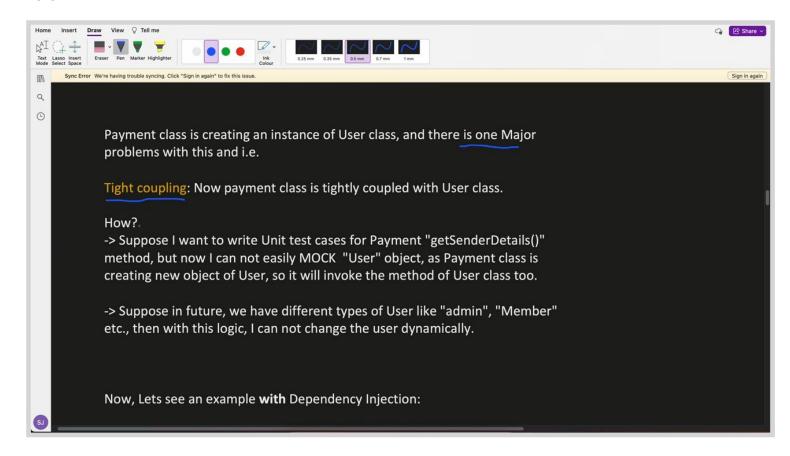
13:51

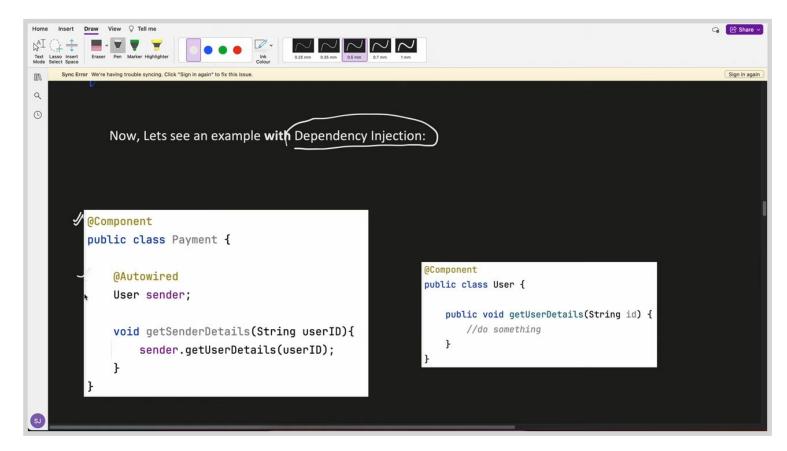


tight coupling below hard for unit testing

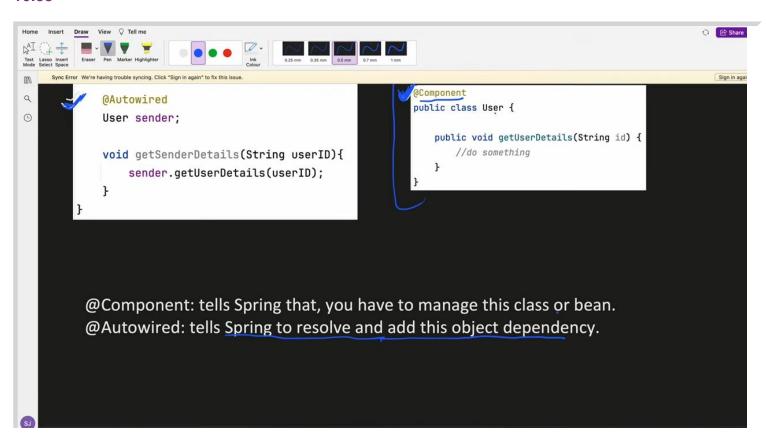
```
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```

spring makes it easier by loose coupling using @autowired annotation unit testing now easy

15:38

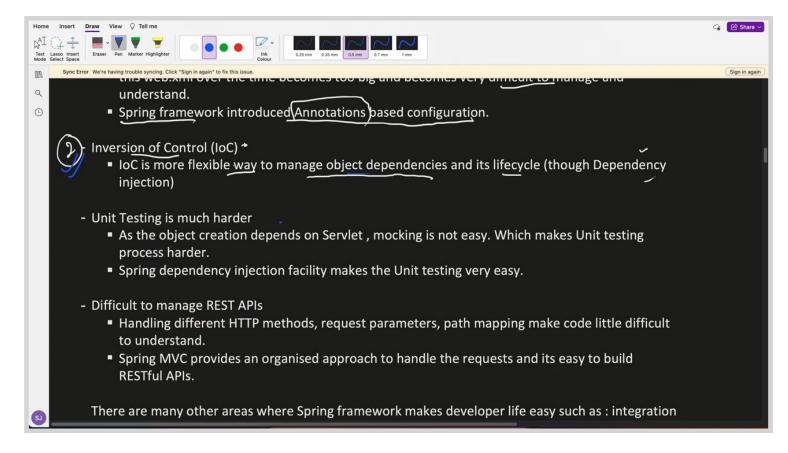


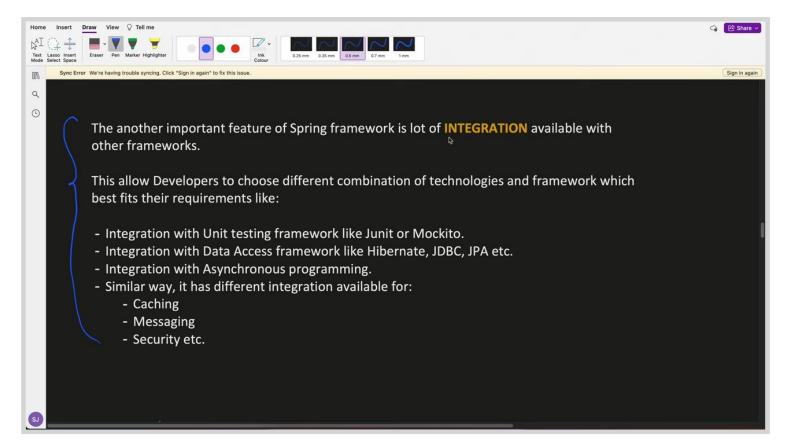
- @component create entire object of class by spring
- @autowired create object of dependency by spring and include here

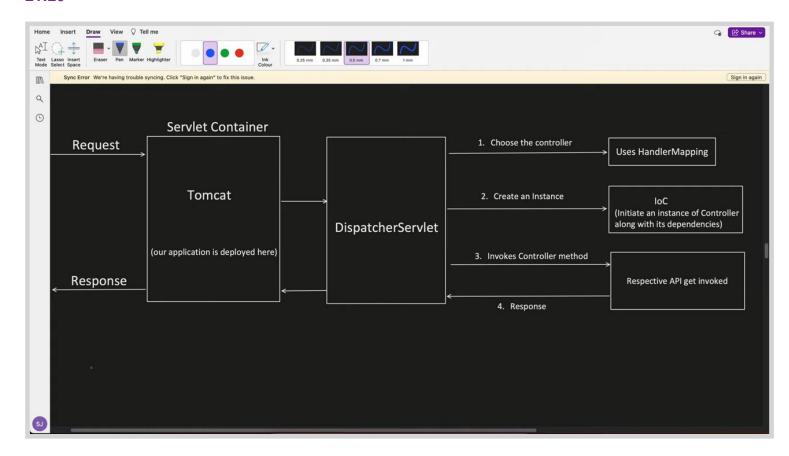


Rest api become easier with spring

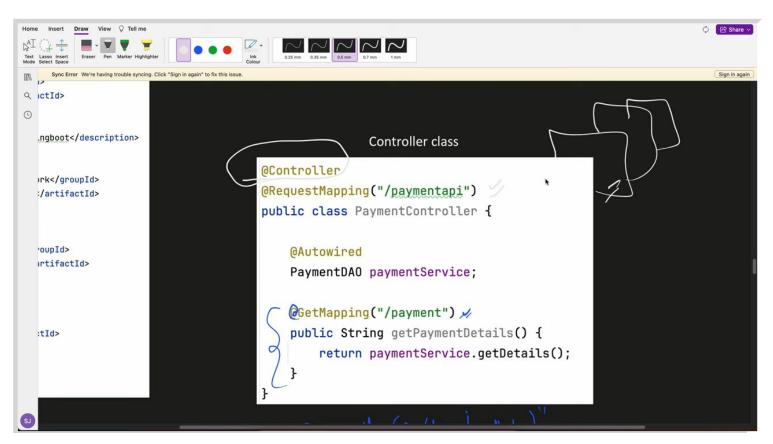
18:05







when it comes to ioc which api end point first spring creates all of it required depencies using ioc controller class this is where request comes int



in spring we add all the depencies along with its version in pom.xml

30:25

```
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                                                                                                                                  Sign in again
m
      <artifactId>learningspringboot</artifactId>
Q
      <version>0.0.1-SNAPSHOT</version>
(1)
      <name>springboot application</name>
      <description>project for learning springboot</description>
                                                                                                       Controller class 😾
          <dependencies>
             <dependency>
                                                                                   @Controller
                 <groupId>org.springframework
                                                                                   @RequestMapping("/paymentapi")
                 <artifactId>spring-webmvc</artifactId>
                 <version>6.1.4</version>
                                                                                   public class PaymentController {
             </dependency>
              <dependency>
                 <groupId>javax.servlet
                                                                                        @Autowired
                 <artifactId>servlet-api</artifactId>
                                                                                         PaymentDAO paymentService;
                 <version>2.5</version>
              </dependency>
                                                                                        @GetMapping("/payment")
                 <groupId>junit
                                                                                         public String getPaymentDetails() {
                 <artifactId>junit</artifactId>
                 <version>4.13.2
                                                                                              return paymentService.getDetail
                  <scope>test</scope>
              </dependency>
          </dependencies>
```

config file where all things required to run the application lies here

- @configuration says this is configuration class
- @EnableWebMvc give all the requirements to run spring application
- @Componentscan create beans of the dependencies and manage with in that package com.con....

```
Dispatcher Servlet class

public class MyApplicationInitializer extends

AbstractAnnotationConfigDispatcherServletInitializer {
```

dispatcher servlet class this class helps to map all the routes with methods inside spring includes appConfig.class for configuration when ever request comes at "/" this runs first

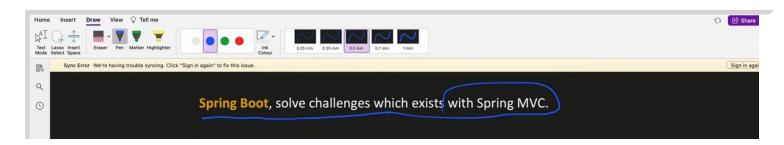
32:40

```
Draw View ♀ Tell me
                                                                                                                                   () 🖄 Share ~
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Q
                     Dispatcher Servlet class 🤟
0
         public class MyApplicationInitializer extends
                 AbstractAnnotationConfigDispatcherServletInitializer {
             protected Class<?>[] getRootConfigClasses() {
                  return null;
             @Override
             protected Class<?>[] getServletConfigClasses() {
                  return new Class[]{AppConfig.class};
             @Override
             protected String[] getServletMappings() {
                  return new String[]{"/"};
```

we put our code in tomcat server as war file

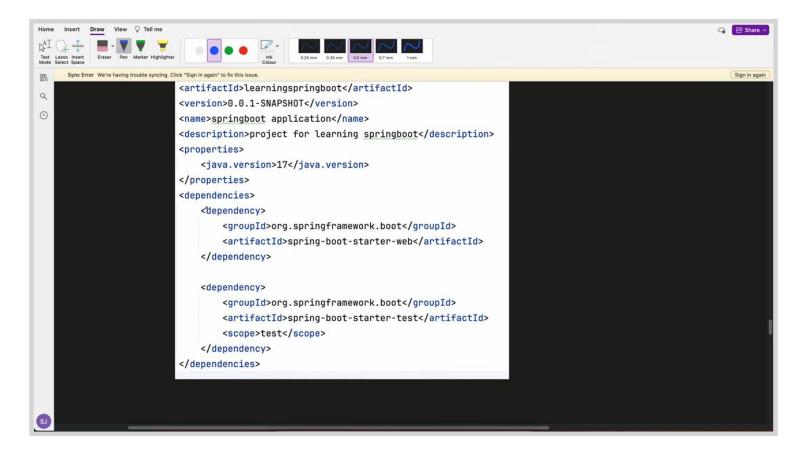
springboot

1st advantage dependency managerment of version no need to give version spring boot manages it using springboot starter



like this

35:19



Auto configuration: all the spring mvc conguration explicitly @springbootApplication includes with in it is opionated bcz by default it add need configuration we can customize it it is called auto configured bcoz it added configuration automatically

```
SymingBootApplication

| SpringBootApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringBootApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringBootApplication | SpringBootApplication | SpringApplication | SpringBootApplication | Sprin
```

it has embedded server(tomcat) for spring mvc we dont have we have add war file in tomcat server but here springboot application adds within

