

- Unit test

Kodun izole bir parçasının beklenen şekilde çalışıp çalışmadığını tespit eden test türüdür. Örnek olarak uygulamaya kayıt olmaya olanak sağlayan formu, üye olma işlevi üzerinden test edebiliriz.

- Integration test

Yazılımdaki birçok bileşenin etkileşimde bulunduğu test türüdür. Bir veri tabanı ile etkileşim söz konusu ise Unit testin aksine bu işlem gerçekten yapılır, bu yüzden maliyetlidir.

Örnek olarak bir uygulamaya kayıt olmanın yanı sıra kayıt işleminden sonra verinin veri tabanında doğru saklanıp saklanmadığını test edebiliriz.

Aşağıdaki özellikleri kredibizde uygulamasına ekleyin. (40 PUAN)

- Kredinbizde uygulaması için Garanti bankası için client oluşturun.
- Kullanıcı Garanti bankası için kredi başvurusu yapabilmelidir.
- Kullanıcı yapmış olduğu bütün başvuruları görüntüleyebilmelidir.
- NotificationService için EMAIL,SMS,MOBILE_NOTIFICATION işlemlerini strateji pattern kullanarak implemantasyonu gerçekleştirin.

Garanti service repo: <https://github.com/emreisildakli/GarantiService>

Notification service repo:

<https://github.com/emreisildakli/week-3-emreisildakli-notificationService>

Docker ile Kafka kurulumu gerçekleştirin ve exception alındığı durumlarda Kafka ile bütün loglar toplanmalı ve MongoDB üzerinde kaydedilmelidir. (20 PUAN)

Service	IP Address	Port	Status	Reason	Duration
week-3-emreisildakli			Exited	N/A	2 days ago
kafka	6ee35c13cd35		Exited (137)	N/A 9092:9092	2 days ago
zookeeper	3d3d89fa257e		Exited (143)	N/A 2181:2181	2 days ago

```

emreisldakli@Emres-MacBook-Pro week-3-emreisldaki % docker run -p 8087:8080 week-3-emreisldaki

    ____      _
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/_____/_/_____\___/

=====|_|=====|_|/
:: Spring Boot ::                (v3.2.3)


2024-03-26T18:32:34.298Z INFO 1 --- [kredinbizde-service] [main] c.p.k.KredInBizdeServiceApplication : Starting KredInBizdeServiceApplication v0.8.1-SNAPSHOT using Java 21 wit
started by root in /
2024-03-26T18:32:34.381Z INFO 1 --- [kredinbizde-service] [main] c.p.k.KredInBizdeServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-03-26T18:32:35.253Z INFO 1 --- [kredinbizde-service] [main] o.s.c.cloud.context.scope.GenericScope : BeanFactory id=bdefc402-4cd8-3f4d-8cd3-e7c5eeff6C55
2024-03-26T18:32:35.439Z WARN 1 --- [kredinbizde-service] [main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConf
guration' of type [org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$RetryInterceptorAutoConfiguration] is not eligible for getting processed by all BeanPostProcessors
to proxying). The currently created BeanPostProcessor [lBResClientPostProcessor] is declared through a non-static factory method on that class; consider declaring it as static instead.
2024-03-26T18:32:35.444Z WARN 1 --- [kredinbizde-service] [main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.loadbalancer.config.BlockingLoadBalancer
rg.springframework.cloud.loadbalancer.config.BlockingLoadBalancerClientAutoConfiguration] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-prox
ly injected into a currently created BeanPostProcessor [lBResClientPostProcessor]); Check the corresponding BeanPostProcessor declaration and its dependencies.
2024-03-26T18:32:35.447Z WARN 1 --- [kredinbizde-service] [main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.loadbalancer.config.LoadBalancerAutoConf
work.cloud.loadbalancer.config.LoadBalancerAutoConfiguration] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying). Is this bean gettin
created BeanPostProcessor [lBResClientPostProcessor]? Check the corresponding BeanPostProcessor declaration and its dependencies.
2024-03-26T18:32:35.458Z WARN 1 --- [kredinbizde-service] [main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.commons.config.CommonsConfigAutoConfigur
.cloud.commons.config.CommonsConfigAutoConfiguration] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying). Is this bean getting eagerl
BeanPostProcessor [lBResClientPostProcessor]? Check the corresponding BeanPostProcessor declaration and its dependencies.
2024-03-26T18:32:35.463Z WARN 1 --- [kredinbizde-service] [main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerDefault

```

week-3-emreisildakli:latest US

CREATED 3 minutes ago SIZE 569.32 MB Recommended fixes Run

Advanced image analysis is provided by Docker Scout
Upgrade to continue to get access to guided vulnerability remediation and additional software supply chain features. [Learn more](#) and [upgrade](#).

Image hierarchy

FROM oraclelinux:8-slim
FROM openjdk-21, 21-jdk, 21-jdk-oracle, 21-jdk-oraclelinux8, 21-oracle, 21-oraclelinux8, 21-rc, 21-rc-jd...
ALL week-3-emreisildakli:latest

Layers (12)

0	ADD file:c630310324edbc0dd09d0912b8e7074d17ac71b1be8a14af9663872c0...	118.26 MB	
1	CMD ["bin/bash"]	0 B	
2	set -eux; microdnf install gzip tar binutils freetype fontconfig; microdnf clean all	46.28 MB	
3	ENV JAVA_HOME=/usr/java/openjdk-21	0 B	
4	ENV PATH=/usr/java/openjdk-21/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/u...	0 B	
5	ENV LANG=C.UTF-8	0 B	
6	ENV JAVA_VERSION=21	0 B	
7	set -eux; arch="\$(objdump="\$(command -v objdump)" && objdump --file-headers...	352.58 MB	
8	CMD ["shell"]	0 B	
9	LABEL authors=emreisildakli	0 B	
10	ADD target/kredibizdes-service-0.0.1-SNAPSHOT.jar week-3-emreisildakli.jar # ...	52.2 MB	
11	ENTRYPOINT ["java" "-jar" "week-3-emreisildakli.jar"]	0 B	

Vulnerabilities (116) Packages (239)

Package or CVE name ☐ Fixable packages Reset filters

Package	Vulnerabilities
oraclelinux/glibc 2.28-225.0.3.el8	10 H 6 M 0 L
oraclelinux/glibc-minimal-langpack 2.28-225.0.3.el8	10 H 6 M 0 L
oraclelinux/glibc-common 2.28-225.0.3.el8	10 H 6 M 0 L
oraclelinux/openssl 1.1.1.1k-9.el8_7	8 H 6 M 3 L
oraclelinux/openssl-libs 1.1.1.1k-9.el8_7	8 H 6 M 3 L
org.codehaus.jettison/jettison 1.4.0	4 H 1 M 0 L
com.thoughtworks.xstream/xstream 1.4.19	3 H 0 M 0 L 1 U
oraclelinux/libcrypt 1.8.5-7.el8_6	1 H 1 M 0 L
com.fasterxml.wroduct/woodstox-core 6.2.1	1 H 1 M 0 L
oraclelinux/nghttp2 1.33.0-3.el8_2.1	1 H 0 M 0 L

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springboot-emreisildakli > exception

Documents 8 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE 1-1 of 1

```
_id: ObjectId('66044c656db25e9459b721b5')
message: "error example"
_class: "com.patika.kredibizdeservice.exceptions.dto.ExceptionModel"
```

Birinci ödevde yaptığınız müşteri, fatura, sipariş ve ürün ile oluşturduğunuz projenizi ayrı servisler olacak şekilde bölün ve aşağıdaki geliştirmeleri ekleyin. (30 PUAN)

<https://github.com/emreisildakli/OnlineShop>

<https://github.com/emreisildakli/customer-service>

- GW ekleyin. => <https://github.com/emreisildakli/OnlineShopGW>
- Discovery server ekleyin. => <https://github.com/emreisildakli/OnlineShop-discovery>
- Fatura bilgilerinin asenkron oluşmasını sağlayan yapıyı kurun.
- GlobalExceptionHandler ekleyin.