**Gradle Build**

API Endpoints used:

@PutMapping ("/transfer/ {accountIdFrom}/ {accountFromAmount}/ {accountIdTo}/ {initialAmount}/ {accountToAmount}")

<http://localhost:8080/v1/accounts/transfer/kiran/0/raja/5/0>

**Output:**

{

"Successfully transferred amounts: between: ": {

"Account(accountId=kiran, balance=0)": {

"accountId": "raja",

"balance": 5

}

}

}

<http://localhost:8080/v1/accounts/transfer/kiran/10/raja/5/12/>

**Output:**

{

"Successfully transferred amounts: between: ": {

"Account(accountId=kiran, balance=-2)": {

"accountId": "raja",

"balance": 17

}

}

}

@Test

**public** **void** testAmountTransfer() **throws** Exception{…}

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:: Spring Boot :: (v1.5.4.RELEASE)

2020-06-18 08:05:15.878 INFO 2752 --- [ main] c.d.a.challenge.DevChallengeApplication : Starting DevChallengeApplication on win7-PC with PID 2752 (C:\Users\win7\Downloads\HclChallenge2\bin\main started by win7 in C:\Users\win7\Downloads\HclChallenge2)

2020-06-18 08:05:15.881 INFO 2752 --- [ main] c.d.a.challenge.DevChallengeApplication : No active profile set, falling back to default profiles: default

2020-06-18 08:05:16.052 INFO 2752 --- [ main] ationConfigEmbeddedWebApplicationContext : Refreshing org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicationContext@7e7be63f: startup date [Thu Jun 18 08:05:16 IST 2020]; root of context hierarchy

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.springframework.cglib.core.ReflectUtils$1 (file:/C:/Users/win7/.gradle/caches/modules-2/files-2.1/org.springframework/spring-core/4.3.9.RELEASE/430b7298bfb85d66fb61e19ca8f06231b911e9f5/spring-core-4.3.9.RELEASE.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)

WARNING: Please consider reporting this to the maintainers of org.springframework.cglib.core.ReflectUtils$1

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

2020-06-18 08:05:19.548 INFO 2752 --- [ main] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat initialized with port(s): 8080 (http)

2020-06-18 08:05:19.568 INFO 2752 --- [ main] o.apache.catalina.core.StandardService : Starting service [Tomcat]

2020-06-18 08:05:19.570 INFO 2752 --- [ main] org.apache.catalina.core.StandardEngine : Starting Servlet Engine: Apache Tomcat/8.5.15

2020-06-18 08:05:19.770 INFO 2752 --- [ost-startStop-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext

2020-06-18 08:05:19.771 INFO 2752 --- [ost-startStop-1] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 3730 ms

2020-06-18 08:05:19.985 INFO 2752 --- [ost-startStop-1] o.s.b.w.servlet.ServletRegistrationBean : Mapping servlet: 'dispatcherServlet' to [/]

2020-06-18 08:05:19.996 INFO 2752 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'characterEncodingFilter' to: [/\*]

2020-06-18 08:05:19.997 INFO 2752 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'hiddenHttpMethodFilter' to: [/\*]

2020-06-18 08:05:19.997 INFO 2752 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'httpPutFormContentFilter' to: [/\*]

2020-06-18 08:05:19.997 INFO 2752 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'requestContextFilter' to: [/\*]

2020-06-18 08:05:20.752 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerAdapter : Looking for @ControllerAdvice: org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicationContext@7e7be63f: startup date [Thu Jun 18 08:05:16 IST 2020]; root of context hierarchy

2020-06-18 08:05:20.862 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/v1/accounts],methods=[POST],consumes=[application/json]}" onto public org.springframework.http.ResponseEntity<java.lang.Object> com.db.awmd.challenge.web.AccountsController.createAccount(com.db.awmd.challenge.domain.Account)

2020-06-18 08:05:20.863 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/v1/accounts/{accountId}],methods=[GET]}" onto public com.db.awmd.challenge.domain.Account com.db.awmd.challenge.web.AccountsController.getAccount(java.lang.String)

2020-06-18 08:05:20.864 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/v1/accounts/transfer/{accountIdFrom}/{accountFromAmount}/{accountIdTo}/{initialAmount}/{accountToAmount}],methods=[PUT]}" onto public java.util.Map<java.lang.String, java.util.Map<com.db.awmd.challenge.domain.Account, com.db.awmd.challenge.domain.Account>> com.db.awmd.challenge.web.AccountsController.updateAccount(java.lang.String,java.math.BigDecimal,java.lang.String,java.math.BigDecimal,java.math.BigDecimal)

2020-06-18 08:05:20.870 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error],produces=[text/html]}" onto public org.springframework.web.servlet.ModelAndView org.springframework.boot.autoconfigure.web.BasicErrorController.errorHtml(javax.servlet.http.HttpServletRequest,javax.servlet.http.HttpServletResponse)

2020-06-18 08:05:20.870 INFO 2752 --- [ main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error]}" onto public org.springframework.http.ResponseEntity<java.util.Map<java.lang.String, java.lang.Object>> org.springframework.boot.autoconfigure.web.BasicErrorController.error(javax.servlet.http.HttpServletRequest)

2020-06-18 08:05:20.936 INFO 2752 --- [ main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/webjars/\*\*] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]

2020-06-18 08:05:20.936 INFO 2752 --- [ main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/\*\*] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]

2020-06-18 08:05:21.074 INFO 2752 --- [ main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/\*\*/favicon.ico] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]

2020-06-18 08:05:21.279 INFO 2752 --- [ main] o.s.j.e.a.AnnotationMBeanExporter : Registering beans for JMX exposure on startup

2020-06-18 08:05:21.359 INFO 2752 --- [ main] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat started on port(s): 8080 (http)

2020-06-18 08:05:21.366 INFO 2752 --- [ main] c.d.a.challenge.DevChallengeApplication : Started DevChallengeApplication in 6.168 seconds (JVM running for 7.096)