@[Entity|Document] public class A {  
 @Id [@GeneratedValue(strategy=GenerationType.$)] private long $;  
 @Temporal(TemporalType.$) private Date $  
 @OneToMany(cascade = CascadeType.$, mappedBy=”attribuut\_B”, fetch = FetchType.$)  
 private List<B> $  
 public $ (…){} <- lege constructor VERPLICHT }  
@[Entity|Document] public class B {  
 @ManyToOne(fetch = FetchType.$, optional = [true|false])  
 @JoinColumn(name = “A\_id”, nullable = [true|false])  
 @OnDelete(action = OnDeleteAction.$)  
 A; }  
public interface $ extends [MongoRepository|CrudRepository]<T, V>{  
 @Query(“SELECT x from y x WHERE x.attribuut = :parameter”)  
 [List|Optional]<Klasse> $ (@Param(“parameter”) [int|String|…] parameter);  
 // Bij enum heel het pad vermelden: package.enumklasse.keuze }  
@Component public class $Service {  
 @Autowired private Repository;  
 public $ $ { return repository.$ } }  
[application.properties] server.port=$  
@RestController public class $Controller {  
 @Autowired private $Service;  
 @RequestMapping(value=”/path/{abc}”, method=RequestMethod.$)  
 1) public $ $ () -> /path  
 2) public $ $(@PathVariable(“abc”) $ $) -> /path/{abc} (ook aanpassen in value)  
 3) public $ $ (@RequestBody Object o) -> verwacht JSON of gelijkaardig  
 4) public $ $ (@RequestParam(“$”) $ $) -> form-encoded data  
 { // aanspreken service } }  
[terminal] bin/zookeeper-server-start.sh config/zookeeper.properties  
[terminal] bin/kafka-server-start.sh config/server.properties  
public interface ProducerChannels {  
 String DO\_X = “do\_x”;  
 @Output(DO\_X) MessageChannel doX(); }  
[application.properties] spring.cloud.stream.bindings.do\_x.destination=do\_x  
[application.properties] spring.cloud.stream.bindings.do\_x.contentType=application/json  
@MessagingGateway  
public interface MessageChannelGateway {  
 @Gateway(requestChannel = ProducerChannels.DO\_X)  
 void do\_x(params) }  
[terminal] bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 –topic do\_x   
TODO: 4.4 vanaf “Run your application and visit: …”