

INTERNET SHOP

Technical solution description

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Used technologies

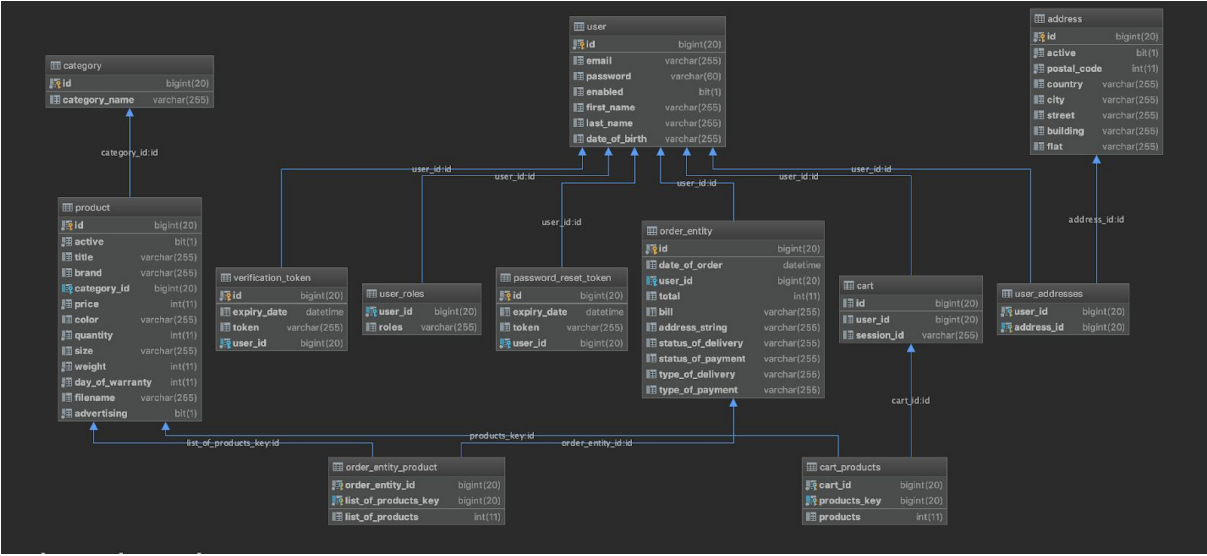
Instruments:

- IDE-IntelliJIDEA
- Maven
- Docker

Technologies:

- Java 8
- Spring
- Spring Security
- Thymeleaf
- Tomcat
- Hibernate
- Wildfly
- JSF
- Primefaces
- AJAX
- RabbitMQ
- Flyware
- Bootstrap
- MySQL
- EJB
- JUnit
- Log4j

DATABASE MODEL

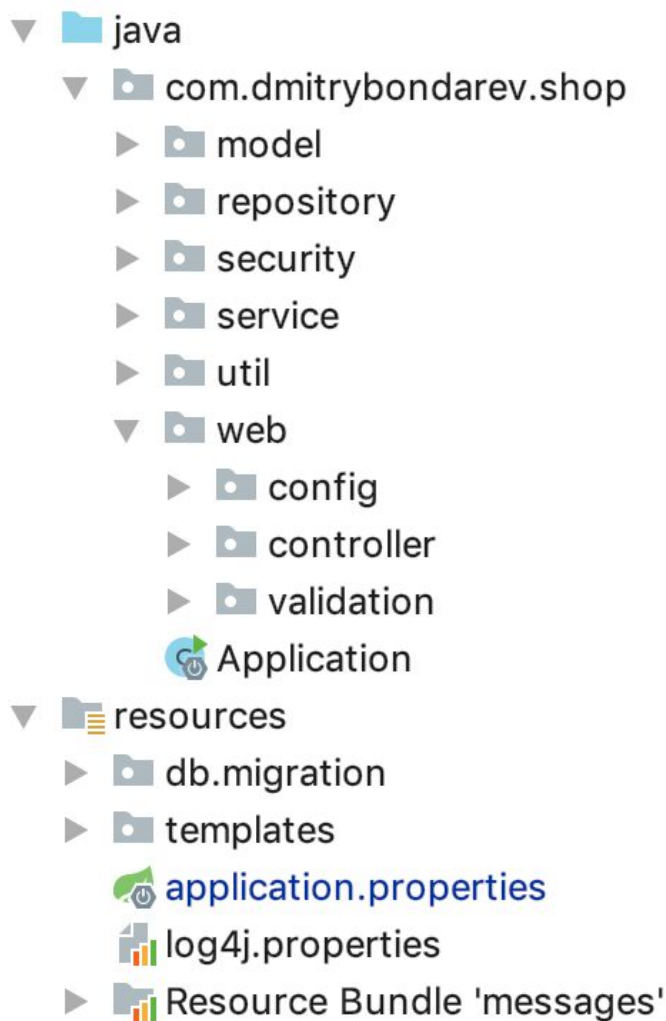


SYSTEM INFRASTRUCTURE IN DOCKER


















1. Spring MVC with Thymeleaf
2. JSF with Wildfly
3. MySQL
4. RabbitMQ

Class structure












According MVC-pattern application has next structure:



Model level:

- ▼  model
 - ▶  dto
 - ▼  enums
 -  Role
 -  StatusOfDelivery
 -  StatusOfPayment
 -  TypeOfDelivery
 -  TypeOfPayment
 - ▼  token
 -  PasswordResetTok
 -  VerificationToken
 -  Address
 -  Cart
 -  Category
 -  Order
 -  Product
 -  User

DTO:

- ▼  dto
 - ▼  rest
 -  ProductDtoRest
 -  AddressDto
 -  CartDto
 -  CategoryDto
 -  OrderDto
 -  PasswordDto
 -  ProductDto
 -  UserDto
 -  UserEditForm

Model-service:

📁 repository

▼ 📁 token

📄 PasswordResetTokenRepository

📄 VerificationTokenRepository

📄 AddressRepository

📄 CartRepository


















📄 CategoryRepository

📄 OrderRepository












📄 ProductRepository

📄 **UserRepository**

Service level:

- ▼  service
 - ▼  api
 -  AddressService
 -  CartService
 -  CategoryService
 -  OrderService
 -  ProductService
 -  StatisticService
 -  UserService
 - ▼  impl
 -  AddressServiceImp
 -  CartServiceImp
 -  CategoryServiceImp
 -  OrderServiceImp
 -  ProductServiceImp
 -  StatisticServiceImp
 -  UserServiceImp

View-service level:

- ▼  controller
 - ▼  admin
 -  AdminCategoryControlle
 -  AdminOrderController
 -  AdminProductController
 -  AdminUserController
 - ▶  rest
 -  CartController
 -  HomeController
 -  MyErrorController
 -  OrderController
 -  ProductController
 -  RegistrationController
 -  UserController
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