Online Market - Project Team

# Team Members

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| **Student ID** | **Full name** |
| 610769 | The Yen Pham |
| 610692 | Duong Khanh Ha Nguyen |
| 610737 | Thanh Luan Tran |
| 610774 | Thai Hai Nguyen |

# List of techniques

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| **Technique** |
| Java Config |
| PRG |
| Thymeleaf |
| Bean Validation |
| Uploading files |
| Exception Handling (Individual, Globally) |
| Ajax – Error Handling |
| Spring Security (Database, Logout, Remember Me, csrf) |
| Security authorization – interceptor |
| Persistence – Hibernate + Spring Data JPA |
| In memory database (H2) |
| CSS Library, Bootstrap |
| GitHub |

# List all implemented features

|  |  |  |
| --- | --- | --- |
| **No.** | **Feature** | **Person in works** |
| Admin | | |
| 1 | If seller register in this web site, need to get approval from Admin in order to post products | Thai Hai Nguyen  Thanh Luan Tran |
| 2 | Approve Review made by Buyer | Thai Hai Nguyen  Thanh Luan Tran |
| Seller |  |  |
| 3 | Register as Seller | Thai Hai Nguyen |
| 4 | Product (CRUD). If a product is already been purchased, cannot deleted | Thanh Luan Tran |
| 5 | Seller cannot buy products from the website | Thanh Luan Tran |
| 6 | Maintain orders  a) Cancel Order, the status of order on buyer’s part should also be changed  b) Change Order status (Shipped-On the way-Delivered) | Thanh Luan Tran |
| Buyer | | |
| 7 | Register as Buyer | Thai Hai Nguyen |
| 8 | Follow and Unfollow Seller | The Yen Pham |
| 9 | Can not sell items on this website | The Yen Pham |
| 10 | Can place an order  a) Maintain Shopping Cart (CRUD)  b) Maintain Shipping and Billing Address  c) Maintain Payment  d) Place order  e) Every successful purchase (not returned), gain points from the website. You can use points to buy products (something like coupons) | The Yen Pham  Duong Khanh Ha Nguyen |
| 11 | Maintain Orders  a) Check Order History  b) Can cancel order before shipping, after shipping cannot  c) Download/Print receipt as PDF or Excel  d) Write Product Review. Review must be approved by Admin before live. | Thanh Luan Tran The Yen Pham |
| General | | |
| 12 | Login/Logout | Duong Khanh Ha Nguyen |
| 13 | Validation is required for all form submission. Otherwise, you’ll not get full credit on different feature part. | Thai Hai Nguyen |
| Project Submission | | |
| 14 | Document | Thai Hai Nguyen |
| 15 | Video | The Yen Pham |

# Installation and Configuration

1. Download the source code from <https://github.com/webapplicationarchitec/OnlineMarket>
2. Open, compile and start it by IntelliJ
3. Browse the system by <http://localhost:8080/>, if necessary, login admin by the account admin/123456
4. If needed, browse the H2 database by <http://localhost:8080/h2-console/>
   1. JDBC URL: jdbc:h2:mem:testdb
   2. User name: sa
   3. Password: <blank>
5. Other configurations:
   1. Field labels can be customized at \src\main\resources\messages.properties
   2. Error messages can be changed at \src\main\resources\errorMessages.properties
   3. Default tax %: in the application.properties, 8%
   4. Default $/bonus point: in the application.properties, $15

# Master data

Application should have pre-populated data such as admin account, list of product categories and some products to have a better initial view. All of them are put at \src\main\resources\data.sql

# Github links

1. Source code:
   1. Master branch: <https://github.com/webapplicationarchitec/OnlineMarket>
   2. Branches:
      1. The Yen Pham: <https://github.com/webapplicationarchitec/OnlineMarket/tree/TheYen>
      2. Duong Khanh Ha Nguyen: <https://github.com/webapplicationarchitec/OnlineMarket/tree/khanhha>
      3. Thanh Luan Tran: <https://github.com/webapplicationarchitec/OnlineMarket/tree/ThanhLuan>
      4. Thai Hai Nguyen: <https://github.com/webapplicationarchitec/OnlineMarket/tree/thaihainguyen>
2. Documents (use cases, class diagram, UI design, entity mapping, …): <https://github.com/webapplicationarchitec/OnlineMarket/tree/master/documents>

# Demonstration video

* Link: <https://www.youtube.com/watch?v=xI_t89famxo&feature=youtu.be> or dropbox on sakai.
* Scenarios:

1. Admin and Seller:

[SignUp and Validation]

* 1. Browse the home page, <http://localhost:8080/>
  2. Sign up: a new Seller account
  3. Validation: input wrong information to see error messages 🡪 input correct ones and create the account successfully (checking H2 database)

[Approve Seller account]

* 1. Admin login
  2. Open the list of new Seller account
  3. Approve a new Seller account
  4. Logout admin
  5. Login the new Seller account which was approved by Admin

[Product CRUD]

* 1. Run CRUD functions for a new product

[Can’t buy any product]

* 1. Play around and can’t add any product to the shopping cart
  2. Logout the seller

1. Buyer and Admin

[Signup a buyer]

* 1. Sign up: a new Buyer account
  2. Login by the new Buyer account

[Profile]

* 1. Update the Buyer’s profile
  2. Profile validation: input wrong billing address and payment information to see error messages 🡪 input correct ones and update it successfully (checking H2 database)

[Buyer’s review and Follower]

* 1. View an order and a product detail: post a comment and follow a seller
  2. Logout the buyer account
  3. Login admin
  4. Open the list of new buyer reviews
  5. Select the new comment and approve it
  6. Logout admin
  7. Login the Buyer account again
  8. See list of products of the followed Seller
  9. View details of the product which posted as above
  10. See the new comment which admin approved

[Shopping cart]

* 1. Select one or more products and add them to the shopping cart
  2. Maintain the shopping cart: view the list of ordered products, remove one of them and add a new one to

[Checkout]

* 1. Update shipping address and payment information
  2. Place order

[Receipt]

* 1. Download/print the receipt

[List of orders]

* 1. Open the historical orders
  2. Select the new order and cancel it

[Can’t sell a product]

* 1. Search around and can’t find the function Add new product

1. Buyer and Seller
   1. Login Buyer and place an order

[Cancel order]

* 1. Login Seller and cancel the order
  2. Login Buyer and place a new order
  3. Login Seller and change the order status to Shipped
  4. Login Seller and try to cancel the order

[Order status]

* 1. Login Seller and change the order status to On-the-way and to Delivered

[Bonus point]

* 1. Login Buyer and see the bonus points
  2. Place an order, use the bonus point for payment and checkout

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