



Programming Applications and Frameworks

Group Project – Individual Report

SellNBye System

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Batch : DS-WE

Group Number : 06

Workload : Implementation of the shopping cart.

API of add to cart

GET /addCart //Gets the current shopping cart

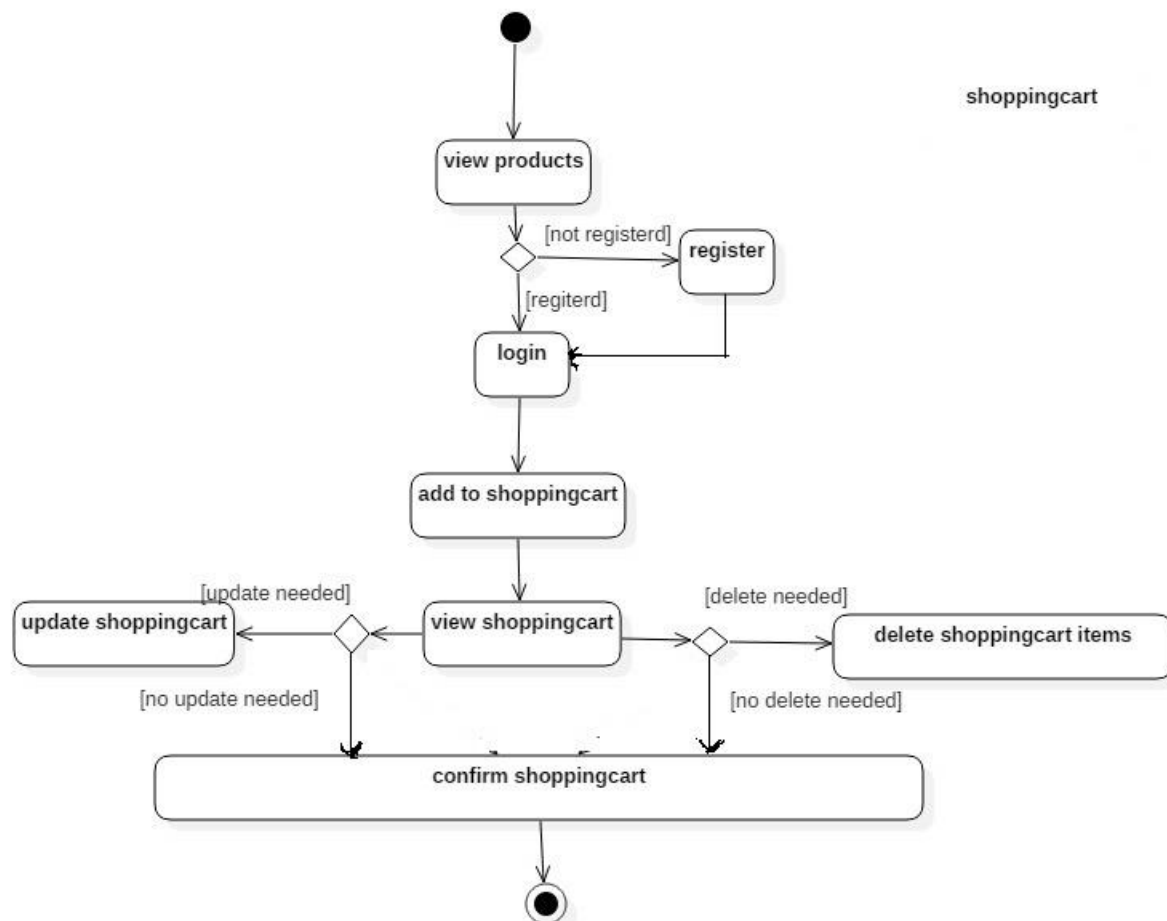
GET/save-cart//Creates the shopping cart in the database if it does not exist yet

POST/show-cart//Saves the shopping cart item to the shopping cart

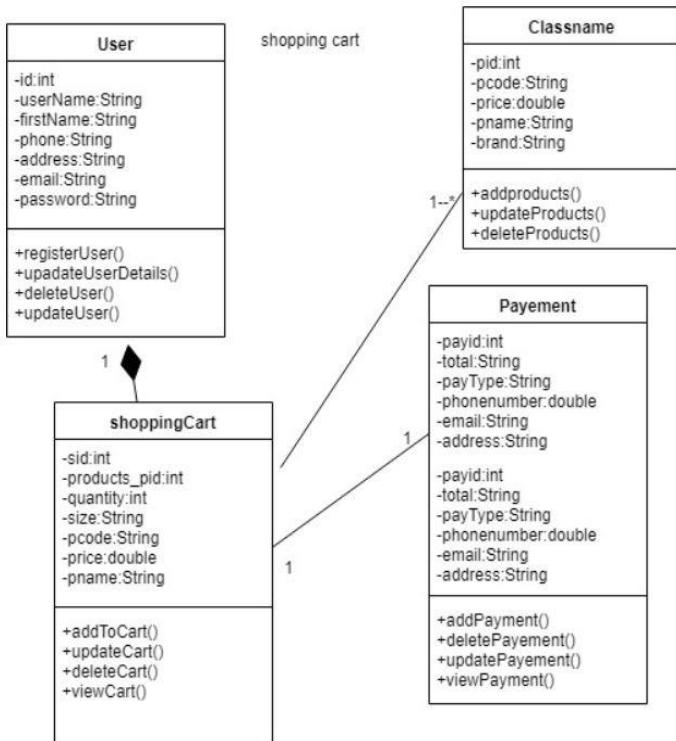
POST/edit-cart//updates new items in shoppingcart

POST/delete-cart//delete unwanted items in shoppingcart

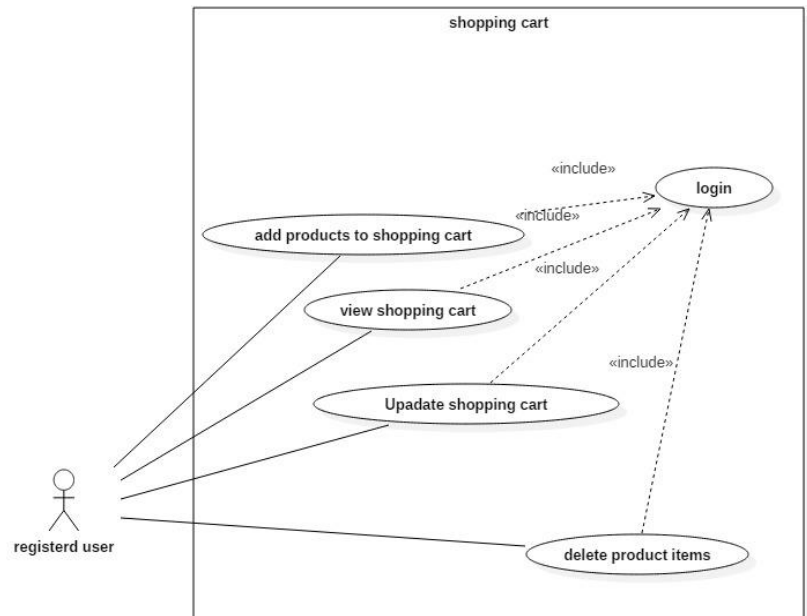
Activity diagram for shoppingcart

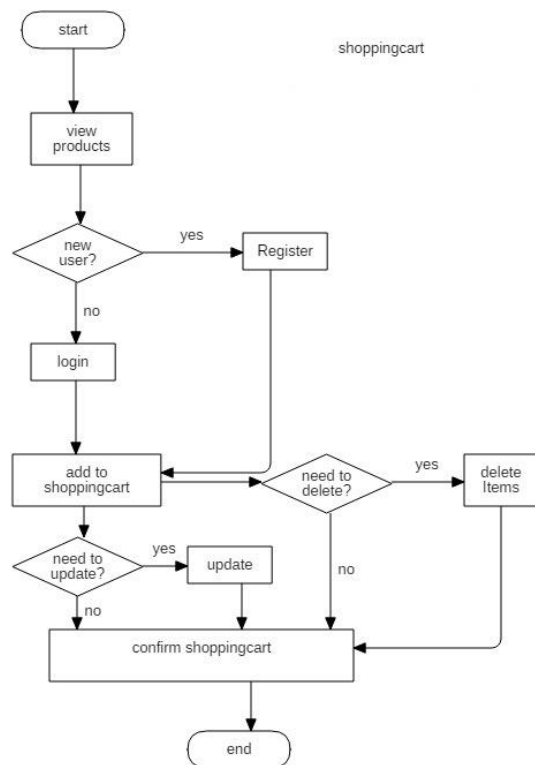


class diagram

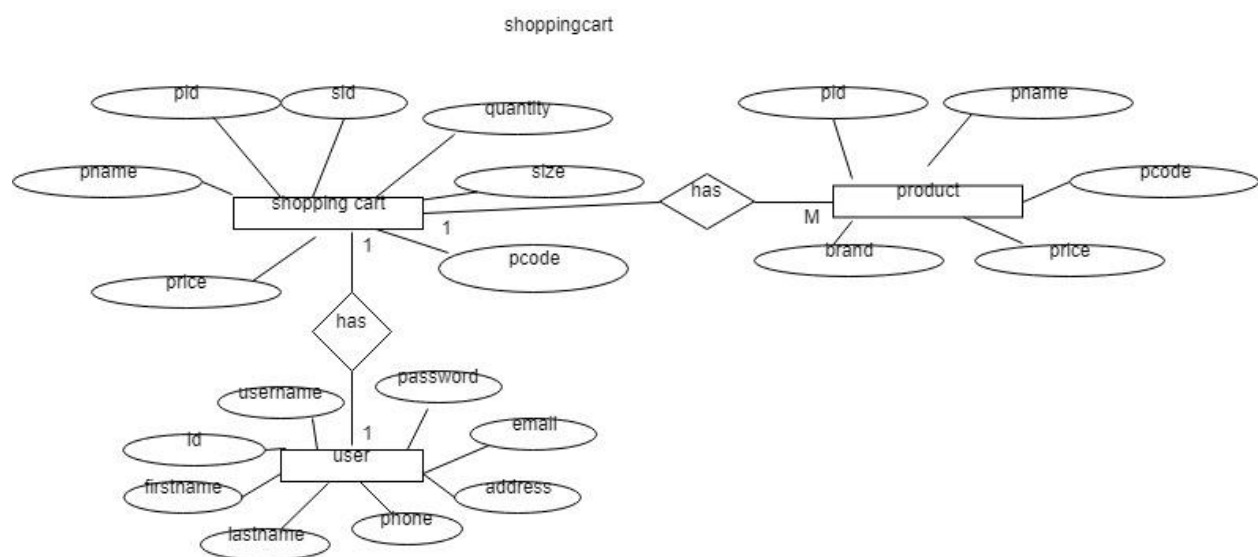


usecase diagram





ER diagram



Service Development and Testing Tool Used

- Tool used
- Frontend jsp:css,Java script,validations
- Backend Spring servlet
- Database:mysql workbench
- Server:Tomcat server

Testing methodology and results

Test id	Test Description/Test steps	Test Inputs(s)	Expected output(s)	Expected output(s)	Result(pass/fail)
1	View shoppingcart	To view shoppingcart Click the button “shoppingcart_”	Shopping cart page	Shopping cart page	success
2	Edit user details 1.quantity 2.size	From “shoppingcart” Page click button”update”and enter updates details	Displaing “shoppingcart” Page with updated details	Displaing “shoppingcart” Page with updated details	success
3	Delete shopping cart Items	From “shoppingcart” Page click button”delete”	Deleting the item in “shoppingcart”	Deleting the item in “shoppingcart”	success

GITHUB link

https://github.com/hirunip/PAF_GROUP_PROJECT_DS.git

References

- Paf lectures
- <https://o7planning.org/en/10683/create-a-shopping-cart-web-application-with-spring-boot-hibernate>