Inventory Management

ADVANCED SOFTWARE ENGINEERING

UNDER THE GUIDANCE OF Dr. Yugyung Lee

Team Members

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Introduction:

For the success of any business, an obvious maintenance of records is very much necessary. A good application to maintain and note these records will make the calling very easy. This is web application which will be used by UMKC to provide best possible services to faculty members.

Web Service:

Make Payment:
Payment for the order is paid through check or online banking. Once payment is received to the merchant, he will process the order.
Degree of importance: Not Essential
Difficulty: 10 units

Order Status:
Admin can check order status i.e. whether the package has been dispatched or not, processing, in transit, delivered etc. Delivery report will be generated by merchant about the Order Status.
Degree of importance: Essential
Difficulty: 20 units

Request for Order Status:
User can check request status i.e. if the product is available in the inventory, he will receive products very soon. But, if product is out of stock, then it will take some time.
Degree of importance: Essential
Difficulty: 20 units

Implementation:

So far, we have implemented the functionalities called login, search, updating profiles etc. But this increment majorly deals with shaping up the application. We have worked up on and implemented apposite Cascading Style Sheets (CSS) for it to be eye-candy. We also made many amendments to the third increment like adding up register option for users to get themselves registered so as to have their own account to access the services.

The following screenshots (in steps) help more fathoming the application more profoundly and clearly:
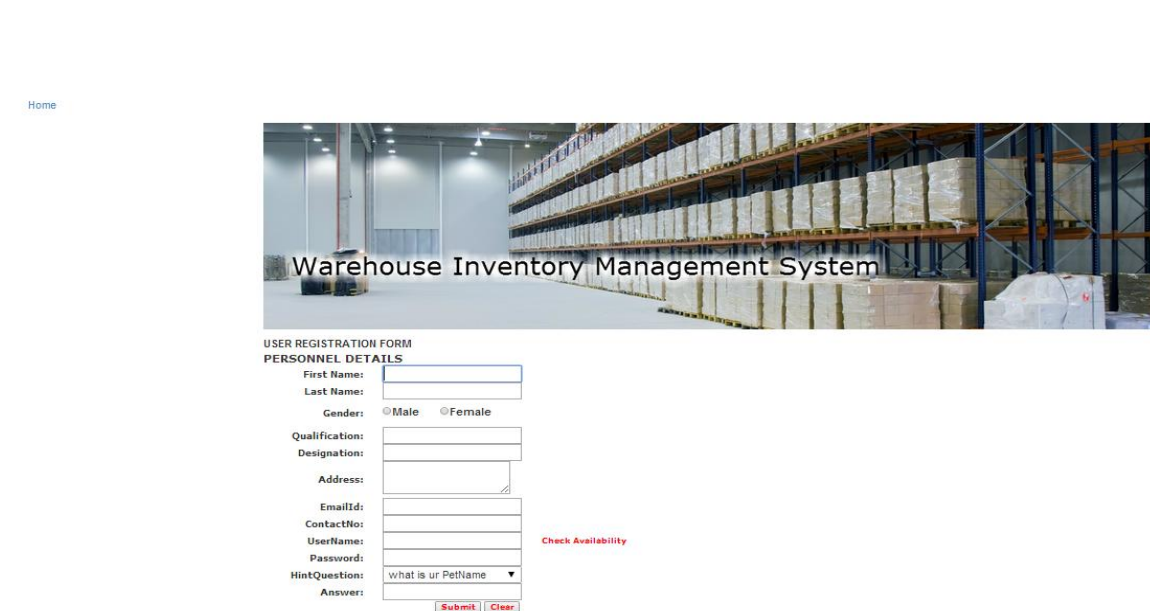
1. Login page

2. User Login page: User enters his details here and logs in. If he has no account, he clicks register option to get registered.

3. User enters his details here then clicks submit for them to be saved to the database.

4. The user home page looks like below:

5. When he clicks the first icon, search for items can be done by choosing through which the product can be searched i.e.; through vendor or product id.

6. After clicking search, the matching products according to the search name appears on the screen which also includes all details of the product like product number, product name and description, supplier name, order etc. He can order desired item by clicking on 'order' by mentioning required quantity of the product.
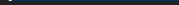
Select	Product Name	Product Description	Product Cost	Available Qty	Supplier Name	Order Qty	Order
○	Pen	pen	5.0000	27	Amazon		Order
○	Laptop	laptop	500.0000	10	Amazon		Order

7. This redirects into the next page, where in, he can be able to view all the available orders he has made till then. He can make payment if he is sure to order the product by clicking on 'make payment' button.

8. The payment is then made and the order has been sent to the admin to process it. Then, a message 'thanks for the payment' is displayed on the screen.

9. The second icon in the home page shows all the available order the user has made till then.

10. The third icon is used for updating his profile by entering the new correct details and then submitting it. The details get stored into the database.

11. The fourth icon is all about enabling the user to change his password if required. He has to enter old and new passwords and then click 'submit'.

12. Here, if user tries to give both old and new passwords same, a pop up appears showing message 'Old and new passwords must be different'.

13. Admin Login: This is similar to the user login page.

14. Admin homepage gets displayed as the next page where there are several services.
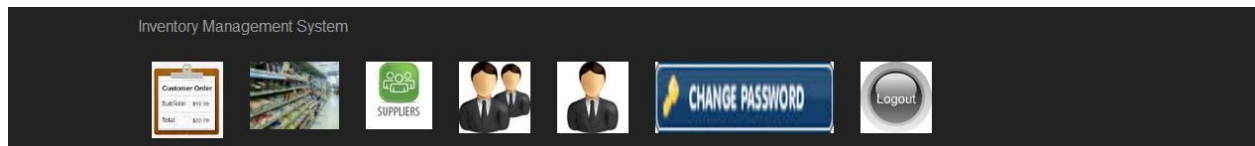
15. The first icon here is displaying all the available orders and their detailsthat users have made.
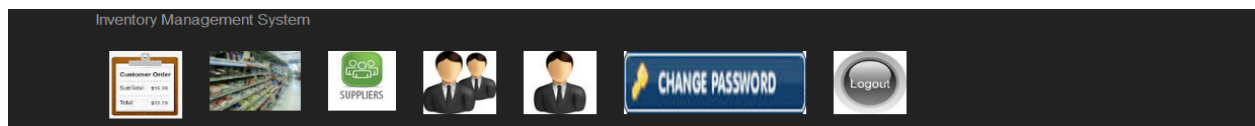
MANAGE ORDERS

	AdminOrderId	User Name	OrderStatus	Payment Done	Status	Payments	Products Orders				
Edit	2056	Mounica	Processing	Yes	Processing ▼	PaymentAmount 500.0000	ProductName Laptop	ProductNumber P003	ProductDescription laptop	Cost 500.0000	Quantity 1
Edit	2057	Mounica	Processing	Yes	Processing ▼	PaymentAmount 5.0000	ProductName Pen	ProductNumber P001	ProductDescription pen	Cost 5.0000	Quantity 1
Edit	2058	Mounica	Processing	Yes	Processing ▼	PaymentAmount 10.0000	ProductName Pen	ProductNumber P001	ProductDescription pen	Cost 5.0000	Quantity 2

16. The admin can edit the status of the order whether it is shipped or processing.

17. He can add or view products by providing the details of the product like name, desdription, adding up apt images of the product etc. then clicks on 'upload' so as to save it.

18. So, the available items appears on the screen like below:

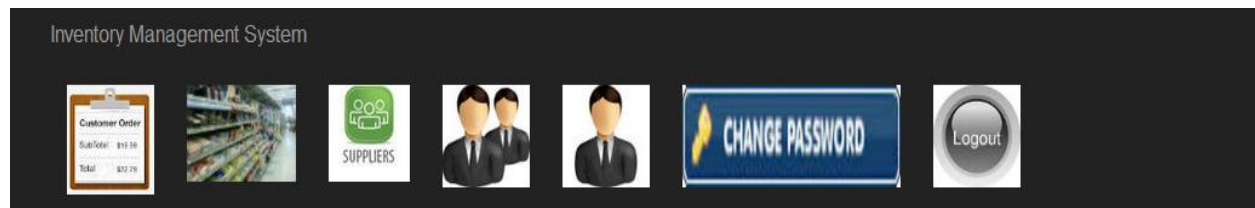19. The third icon in this module is about suppliers. Suppliers are those who sends all the stock to the admin, who in turn sells to the users/faculty members at UMKC. Below are the details of all the associated suppliers and what all products they offer.

20. The fourth icon, here, is to manage users. The admin can view all the available users to check when ever required.

21. The changing password functionality is same as in the user module.

So, this is the working of the web application which enables the users to do the calling at their comfort.

Describing in brief about the project increment with the help of ScrumDo, this can be shown below:
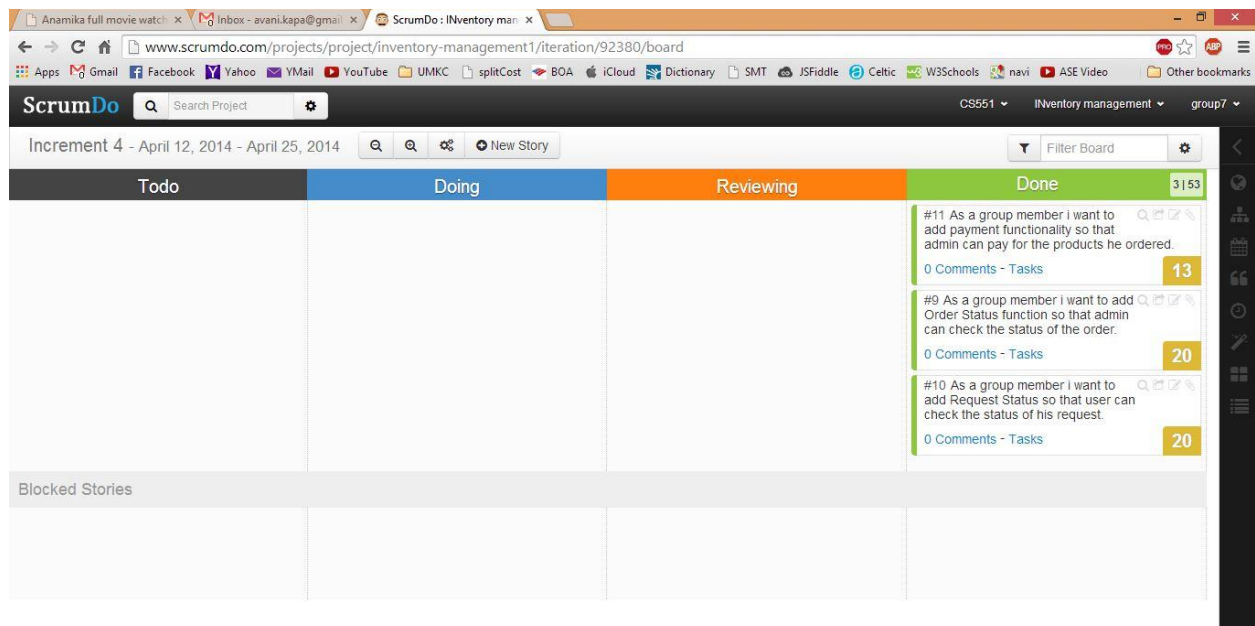
The summary of the entire project is shown below:
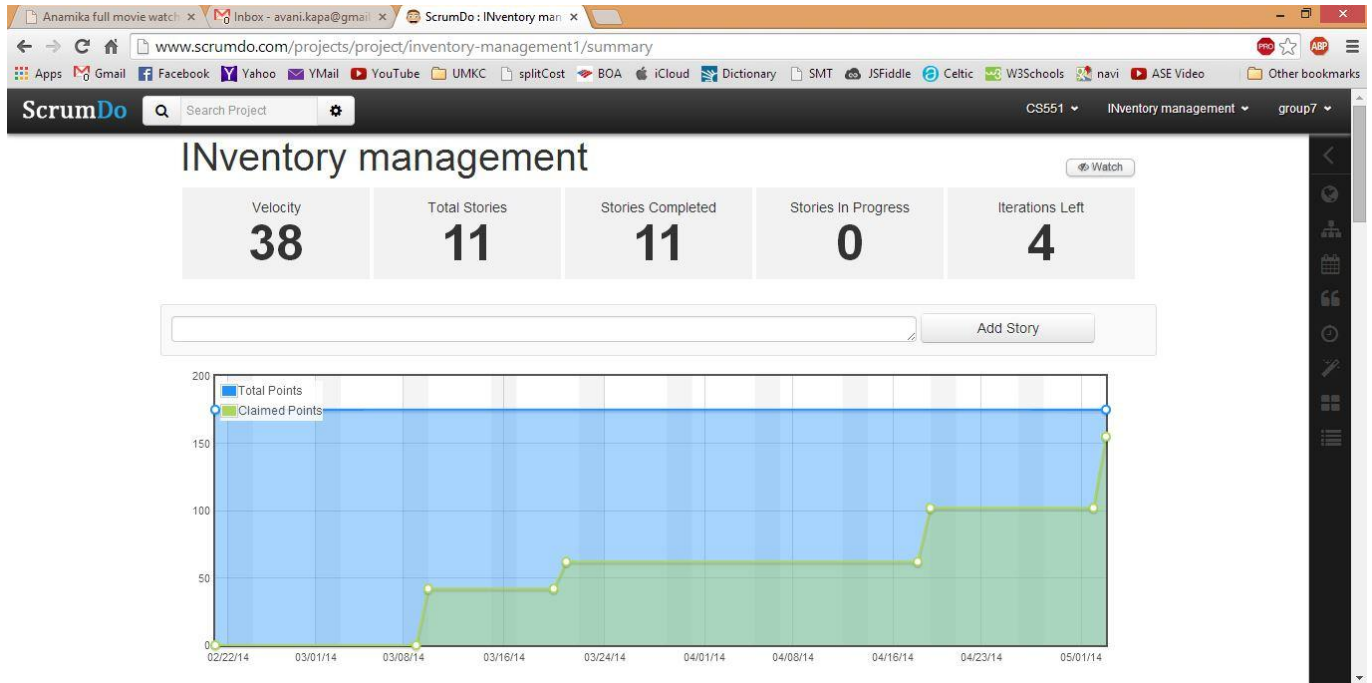
Project URL:

http://kc-sce-cs551.kc.umkc.edu/aspnet_client/Group7/InventoryManagement/Default

GitHub link:

https://github.com/Avanikapa/Increment4

ScrumDo link for Increment 4:

http://www.scrumdo.com/projects/project/inventory-management1/iteration/92380

ScrumDo link for the entire project:

http://www.scrumdo.com/projects/project/inventory-management1/summary

You Tube link:

https://www.youtube.com/watch?v=Sm5HMJHh3tg

Project management: (complete Project)

Functionality	Members Implemented
User Login	Viswanath and Mounica
Admin Login	Avani and sirisha
User Registration	Sirisha and Viswanath
Product Search	Mounica and Avani
Order Product	Viswanath and Mounica
Update User Profile	Avani and sirisha
Update Password (User and Admin)	Sirisha and Viswanath
Process User Orders	Mounica and Avani
Update Order Status	Sirisha and Mounica
Add/update Products	Viswanath and Mounica
Update Admin Profile	Avani and sirisha
Database	Sirisha, Viswanath, Mounica and Avani
GUI	Sirisha, Viswanath, Mounica and Avani