Deployment

Web Services

http:// 59.176.117.221/Default.asmx

http://59.176.117.221/Account/login.asmx

http:// 59.176.117.221/Inventory/frmManageAdminOrders.asmx

http:// 59.176.117.221/Inventory/inventory.asmx

GitHub

https://github.com/mounica1704/ASE-Project-

Project Video

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

Inventory Management User Manual

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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. Main objective for implementing inventory management system project is to design an efficient and automated application for UMKC with the certain search functionality being used in the organization for product search by the faculty. This will help in managing and maintaining the specific task like searching for the certain product online which would be very easy to fetch the objects whatever they require.

The motivation of our project is to provide product information, availability and delivery of requested products to users. Administrator is the one who takes care of the total system by entering his/her login details. Users can request for new products anytime.

How to use:

Inventory Management is a web application and can be viewed online. The main roles here are the Administrator and the User, each having their own accounts to access the services that this application offers online. So, they open web browser and go to the web application by providing its address. There are two modules: Admin Module and User Module. Admin logs into his account and does his tasks like managing users, search for products, viewing orders that users made etc. Likewise, User logs into his own account and access the services like searching for desired products, ordering the products, viewing the orders, changing his profile etc.

Handing Errors:

Application may throw different types of errors when we enter invalid input. There are several errors that occur during registration, logging in, adding products, changing password etc. Lets discuss in detail about these errors. Because of network connection problems also errors may occur.

Registration:

During registration, if the username matches with the existing users, then it will throw an exception that username already exists. We need to re-enter different username and register. Sometimes, this application fails to display error message. User need to find the issue and change the user name and continue with registration process.

Log In:

We have two login modules i.e. user and admin. Errors will occur during login because of 3 reasons. They are entering incorrect username, incorrect password or both. It will throw an error message that invalid username/password. We need to re-enter the correct credentials and login again.

Add Products:

Admin can add new products to the inventory. If admin tries to add product with similar features of existing products, then products will not be added. Unfortunately, we are not showing any exceptional error message. Admin need to check it. And one more error is that the image size should not exceed 42151 bytes. If the image size exceeds 42151 bytes, image will not be added.

Change Password:

while changing the password(user and admin), user/admin need to give old and new passwords differently. If old password and new password are same, then it will throw an error message that old password and new password must be different. user/admin need to re-enter different passwords and password will be changed successfully.

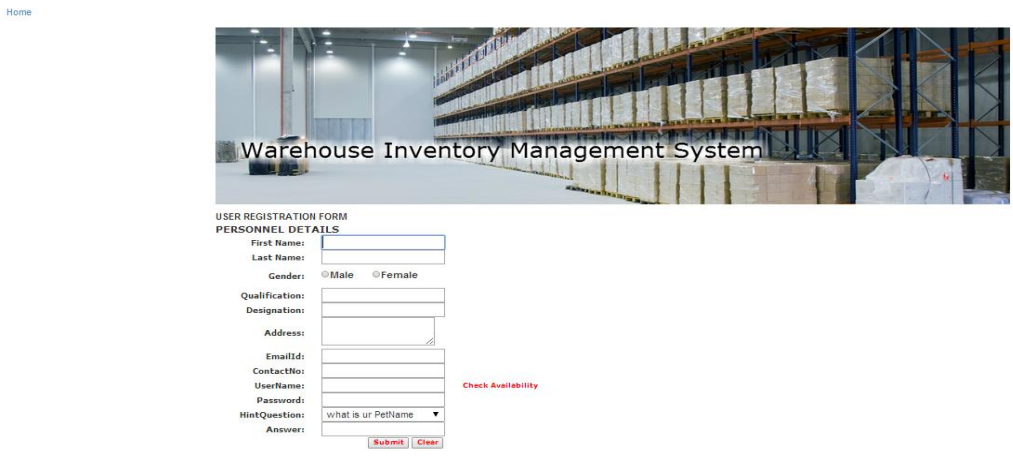
Sample Interaction:

Our application contains two modules admin module and user module. Let's see in detail.

The basic home page contains user login and admin login.

If user clicks on "user login" button, it will redirect to user login page.

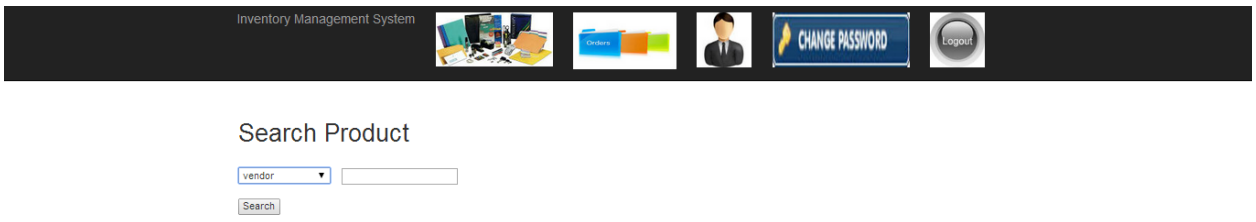
If user does not have account, he needs to register. User will click on the register button. It will redirect to registration page.



Once the user registration is successful, it will show that registration is done.

user can login by clicking on "click here for login". Once the user login, user homepage looks as below. User homepage have several functionalities/services like search, order, make payment and view status for products.

When we click on search product icon(first icon), Search for products page will be displayed.



We can search the product based on the vendor or product number or product name. If user want to order the product, he can select the item, enter the quantity and click on order.

Search Product

vendor ▼ amazon

Search

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

Once the user clicks on the order, the next page will ask to make a payment.

View Orders

Order Date	Status	Payment Done	Products	Amount	Make Payment
5/1/2014 8:35:40 PM	Processing	Yes	ProductName: Laptop; ProductNumber: P003; ProductDescription: laptop; Cost: 500.0000	$500.00	
5/1/2014 8:52:25 PM	Processing	Yes	ProductName: Pen; ProductNumber: P001; ProductDescription: pen; Cost: 5.0000	$5.00	
5/1/2014 10:19:00 PM	Processing	No	ProductName: Pen; ProductNumber: P001; ProductDescription: pen; Cost: 5.0000	$10.00	Make Payment
				$515.00	

Once the payment is made, It will show that payment is done successfully.

Total Cost
10.0000

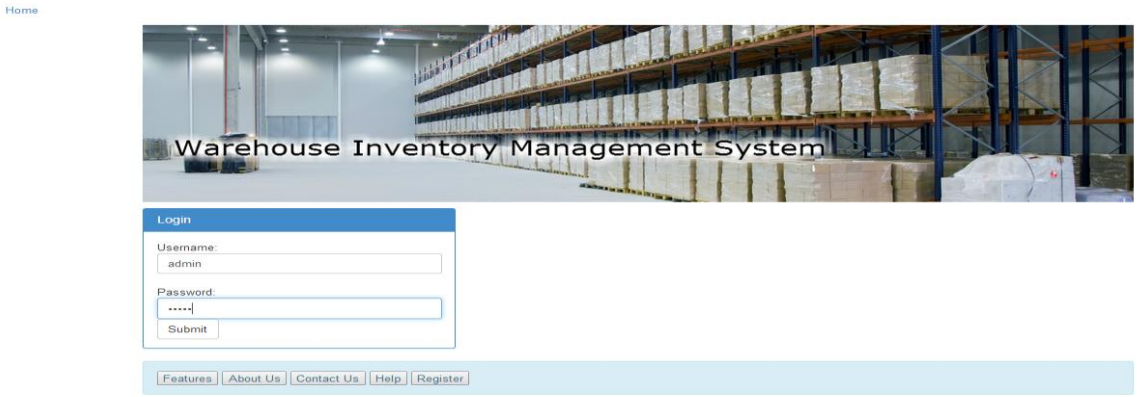
Thanks for the payment

User can view the his/her orders in the view orders icon(second icon).

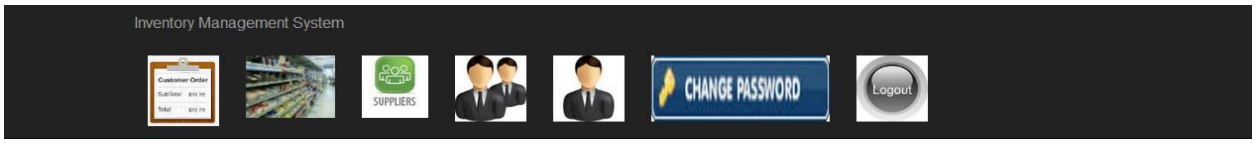
View Orders

Order Date	Status	Payment Done	Products	Amount	Make Payment
5/1/2014 8:35:40 PM	Processing	Yes	ProductName: Laptop; ProductNumber: P003; ProductDescription: laptop; Cost: 500.0000	$500.00	
5/1/2014 8:52:25 PM	Processing	Yes	ProductName: Pen; ProductNumber: P001; ProductDescription: pen; Cost: 5.0000	$5.00	
5/1/2014 10:19:00 PM	Processing	Yes	ProductName: Pen; ProductNumber: P001; ProductDescription: pen; Cost: 5.0000	$10.00	
				$515.00	

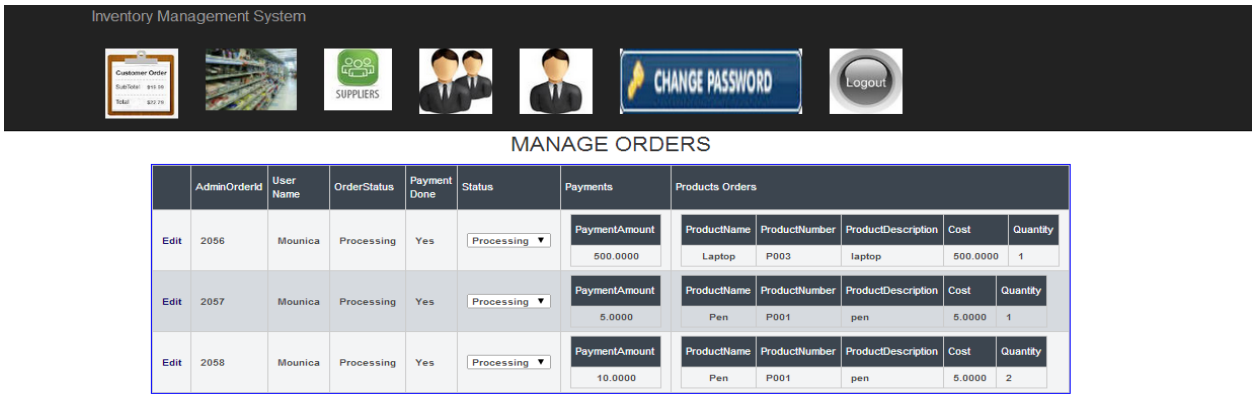
Now, Let's go to admin module. Admin needs to login. (admin ID: admin password: admin)



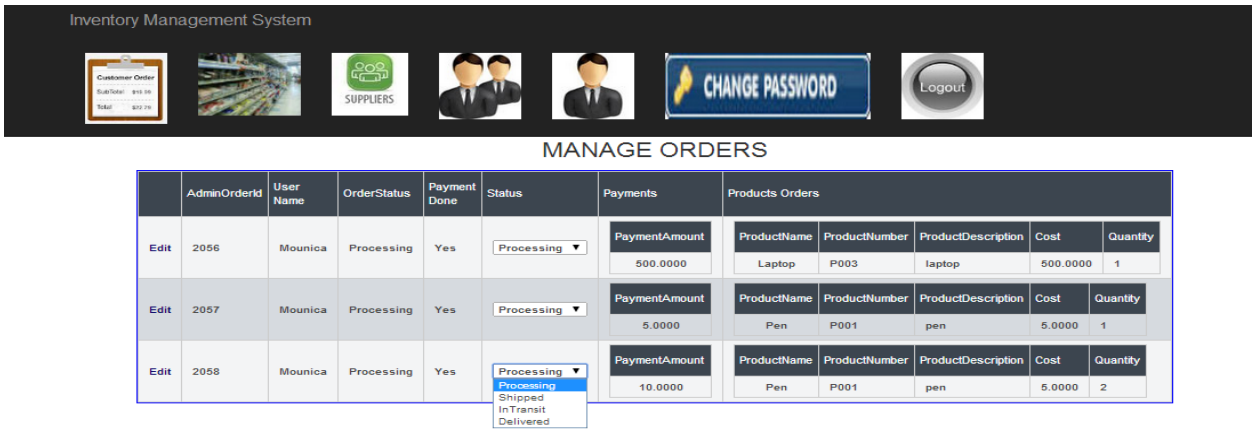
Admin Homepage looks like as below consisting of several features like process the user orders, update the status of the order, add/update products to inventory, manage suppliers and users etc.



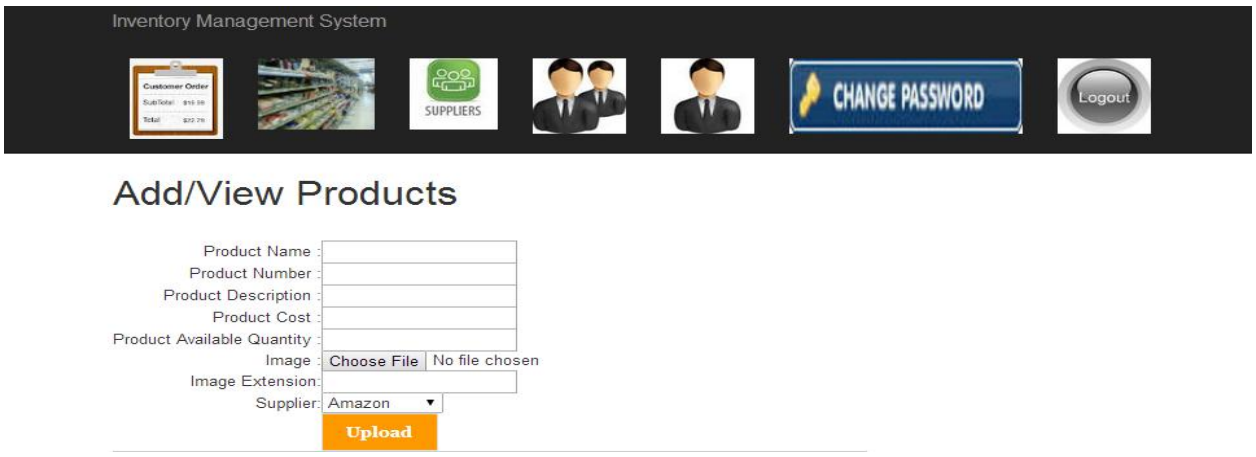
Admin can view customer orders when he click on the customer order button.



Admin can process the order to the user and updates its status.



Admin can add/view products by providing the details of the product like name, description, adding up images of the product etc. then clicks on 'upload' so as to save it.



All products can be viewed as below along with all details of the product.

ProductID	ProductName	ProductNumber	ProductDescription	Cost	AvailableQuantity	Preview Image
1	Pen	P001	pen	5.0000	25	
7	Stapler	P002	Stapler	30.0000	10	
8	Laptop	P003	laptop	500.0000	10	
10	Pencil	P004	pencil	2.5000	100	
12	A4 sheets	P005	sheets	12.9900	100	

Admin can even manage the suppliers and users. He can update his profile and change the password.

Bugs and deficiencies

- Administrator has to manually add all the available products including their images every time which is one of the deficiencies.
- Admin also has to manually update the status of the order like shipped, processing, in-transit, delivered etc.
- Sometimes, the order quantity will not be updated even though user mentions for particular quantity which comes under Bugs. We did not trace out any other bugs.