

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:

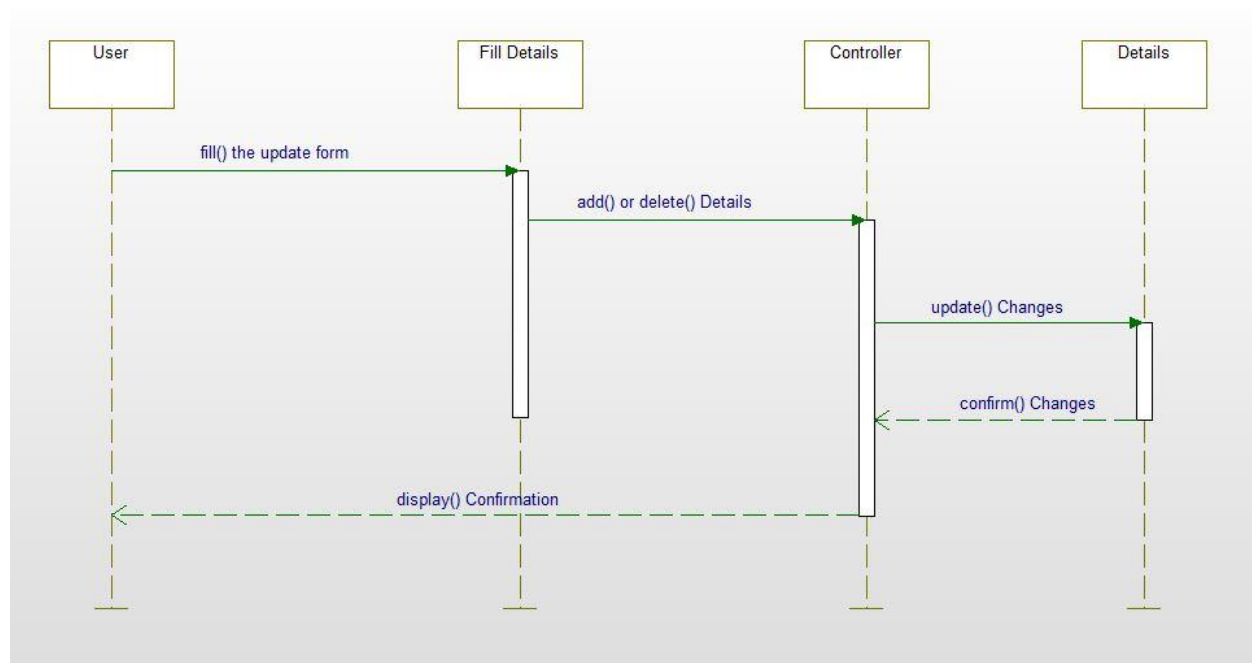
Order Functionality:

Our third increment in this module is to implement the order functionality which was previously introduced in first increment. In "order", we have planned to develop two functionalities. One is "Review Requests" and the other is "Order Products". In "Review Requests", Admin can have a look at the order requests sent by users where as in "order products", Admin can order products that are out of inventory. The required merchant information is available in the database such that it makes the admin easy to order the required product.

Degree of importance: Essential

Difficulty: 20 units

Order Sequence Diagram:



Request Product(Increment 3):

we have implemented search option in second increment. We will add a function to request the product required. This request is sent to admin and he/she will process that request.

Degree of importance: Essential

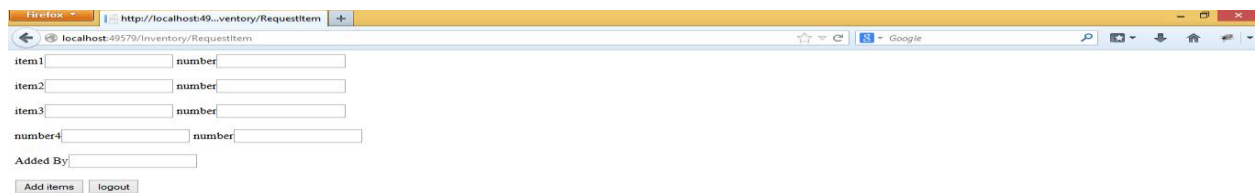
Difficulty: 20 units

Implementation:

Implementing Order Functionality:

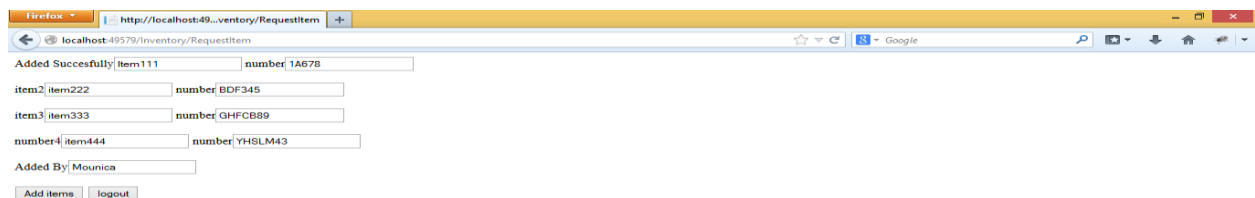
Our third increment in this module is to implement the order functionality which was previously introduced in first increment. In "order", we have planned to develop two functionalities. One is "Review Requests" and the other is "Order Products". In "Review Requests", Admin can have a look at the order requests sent by users where as in "order products".

Whenever faculty wish to have an item which is not in stock he/she places an order based on the item details he/she wish to get. First of all he/she checks with the objects present in the library. If at all not present he/she orders. The page for ordering is as shown below:



A screenshot of a web browser window showing a form titled "RequestItem" at the URL "http://localhost:49579/Inventory/RequestItem". The form contains four rows of input fields labeled "item1", "item2", "item3", and "number4", each followed by a "number" field. Below these is an "Added By" field. At the bottom are "Add items" and "logout" buttons.

He/she manually writes the items list wanted in particular. That can be shown below.



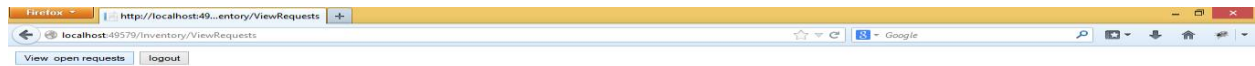
A screenshot of the same web browser window showing the "RequestItem" form with data entered. The "Added Successfully" message is visible at the top. The "item1" field contains "item111" and the "number" field contains "1A678". The "item2" field contains "item222" and the "number" field contains "BDF345". The "item3" field contains "item333" and the "number" field contains "GHFCB89". The "number4" field contains "item444" and the "number" field contains "YHSLM43". The "Added By" field contains "Mounica". The "Add items" and "logout" buttons are still present at the bottom.

Later he/she clicks on the add items lists. And this redirects the data to save in the database.

We have implemented search option in second increment. We will add a function to request the product required. This request is sent to admin and he/she will process that request.

Later it's time for the Admin to view the list and send the necessary details to the users.

When the Admin opens his/her account and then view the requested items, he then sees the list and then processes the requests.



After he taps the button click here to view the requests, the window that will be popped is

A screenshot of a web browser window showing a table of requests. The table has four columns: 'Item1', 'Number1', 'Item2', and 'Number2'. The table contains four rows of data. The first row is the header, and the following three rows are data rows. The table is displayed in a simple, unformatted style.

Item1	Number1	Item2	Number2
item1	1	item2	2
item11	1	item22	2
item111	1	item222	2

This list will be examined by the Admin and then processes the requests.

Mobile application website URL to the project cloud instance:

http://kc-sce-cs551.kc.umkc.edu/aspnet_client/Group7/InventoryManagement%203/Default

GitHub:

Project file i.e. source code and report are posted to the following github link.

Link: <https://github.com/Avanikapa/IncrementThree>

ScrumDo:

ScrumDo Link : <http://www.scrumdo.com/projects/project/inventory-management1/iteration/92379>

ScrumDo Id: group7

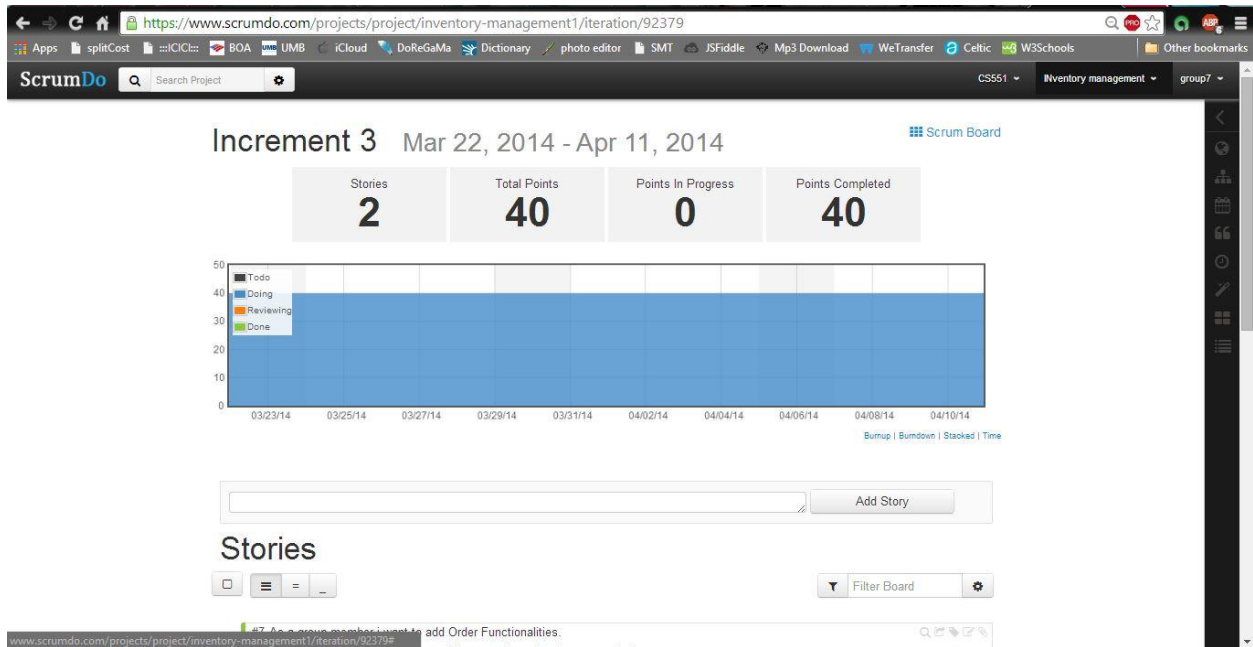
Showing the tasks done:

In particular about the whole project:

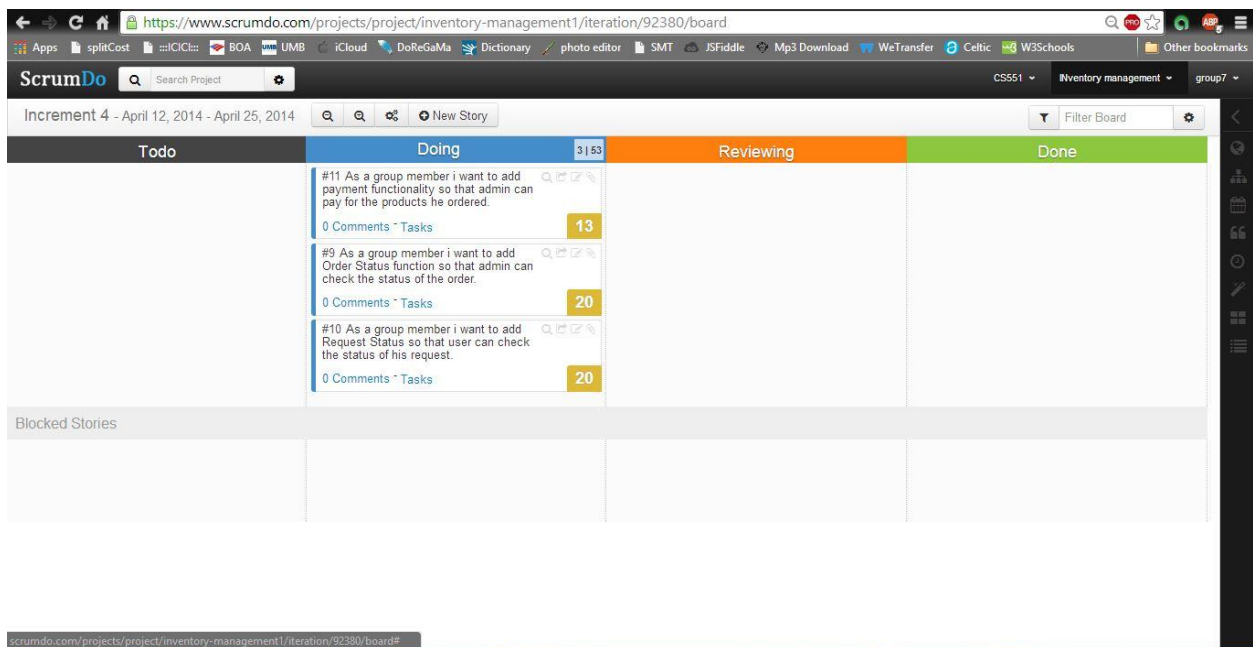
The screenshot displays a ScrumDo project board for the project 'Inventory management' and group 'group7'. The board is titled 'Increment 3 - March 22, 2014 - April 11, 2014'. It features four columns: 'Todo', 'Doing', 'Reviewing', and 'Done'. The 'Done' column contains two tasks:

- Task #7: 'As a group member i want to add Order Functionalities.' with 0 comments and 20 tasks.
- Task #8: 'As a group member i want to add a function Request Product so that user can request for products' with 0 comments and 20 tasks.

A 'Blocked Stories' section is visible below the main board. The browser's address bar shows the URL: <https://www.scrumdo.com/projects/project/inventory-management1/iteration/92379/board>.



The forth increment is under progress:



Project management:

Functionality	Members Implemented
Order Product	Viswanath and Mounica
Select Product	Avani and Sirisha
Database Implementation	Mounica, Viswanath, Sirisha and Avani