Inventory Management

ADVANCED SOFTWARE ENGINEERING
UNDER THE GUIDANCE OF Dr. Yugyung Lee

Team Members

Viswanath Nemani
Mounica Reddy Poondla
Avani Kapa
Sirisha Ayyagari

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:

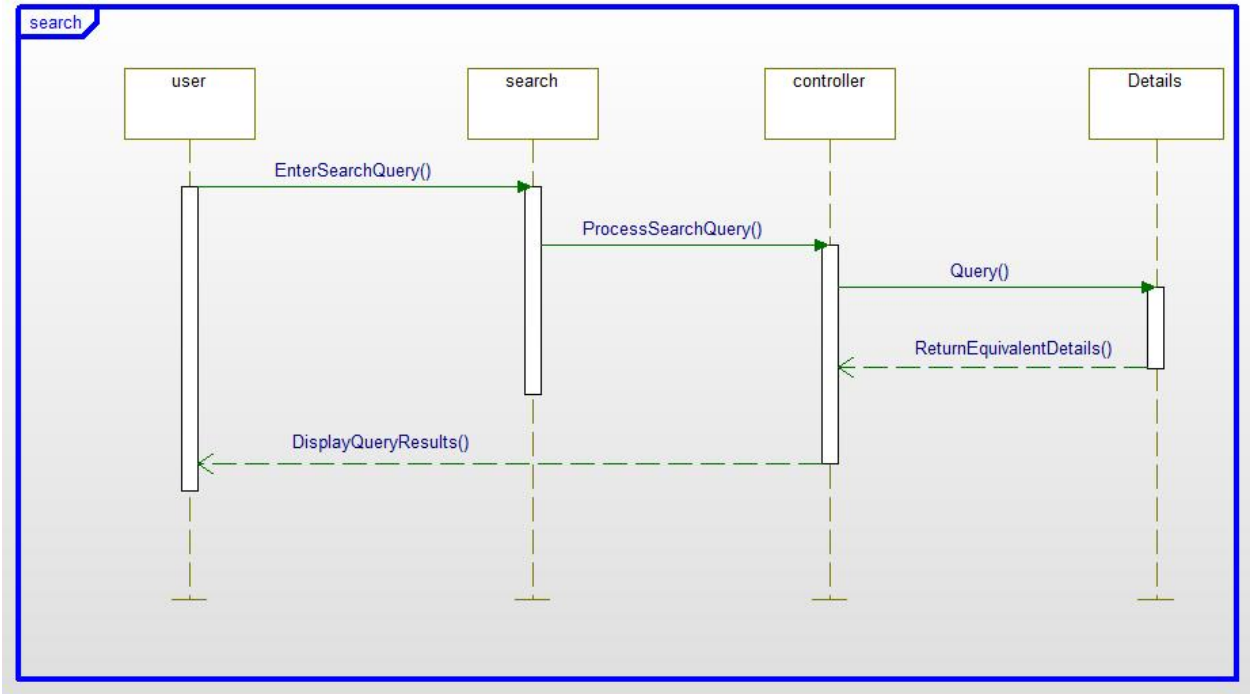
a. Inventory Functionality:

Our second increment in this module is to implement the Inventory functionality which was previously introduced in first increment. This is a huge task as it contains information of each and every product. Admin can review product information. He can update product information like quantity, adding new products, and deleting existing products.
Degree of importance: Essential
Difficulty: 20 units

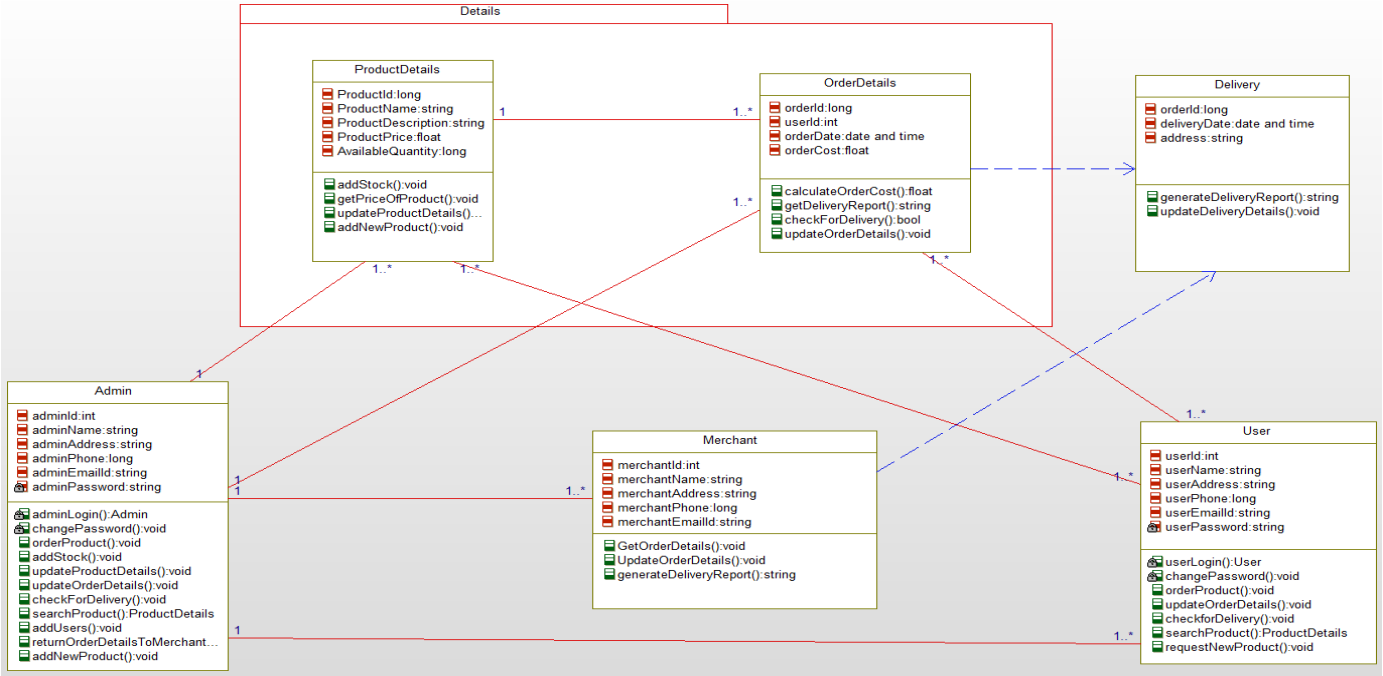
b. Product search Functionality:

In this module, implementation of Searching the desired products is shown. There will be three option available where the user can be able to search the desired product according to product name, product type and vendor. For instance, let us take into consideration, product name. When a user requests the search according to the product name, an output pops up displaying all the products related to the given product name. Similarly, with other two kinds of search options.
Degree of importance: Essential
Difficulty: 20 units

Search Sequence Diagram:



Class Diagram:



Implementation

The second increment implementation functionalities are shown below:

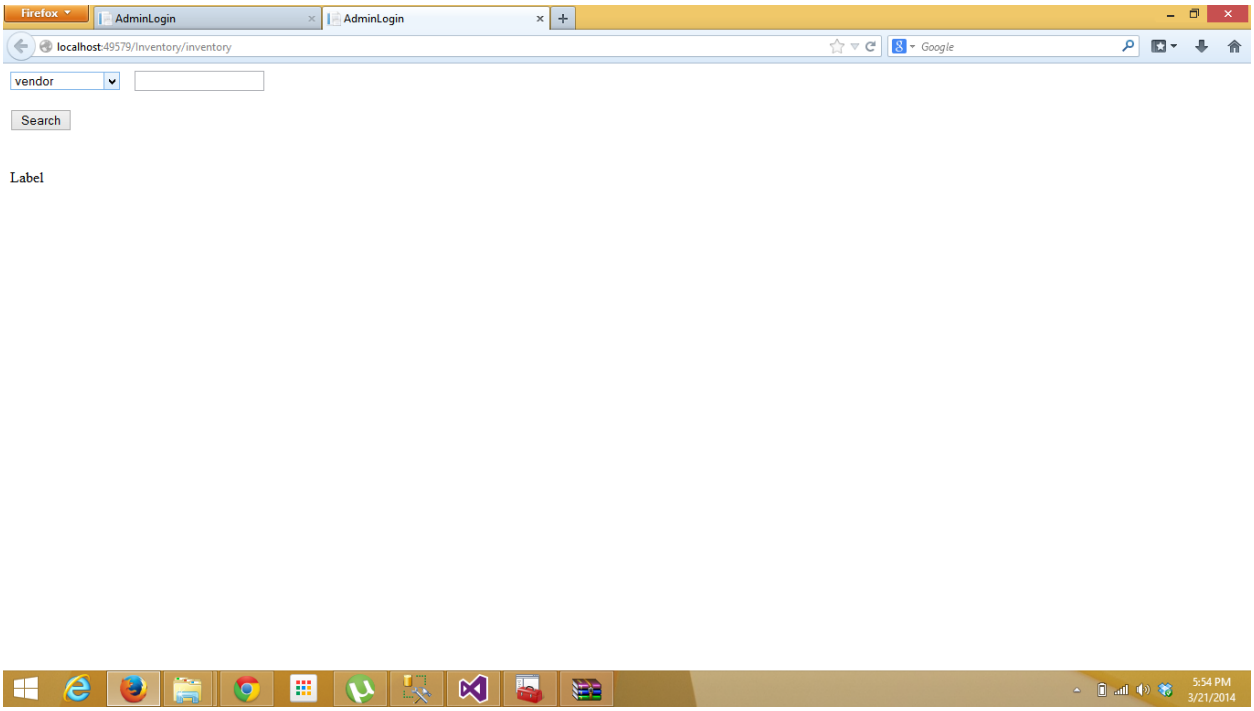
PRODUCT SEARCH FUNCTIONALITY :

In this module, implementation of searching the desired products is shown. There will be three options available where the user can be able to search the desired product according to product name, product type and vendor. For instance, let us take into consideration, the vendor. When a user requests the search, an output pops up displaying all the products related to the given vendor. Similarly, with other two kinds of search options.

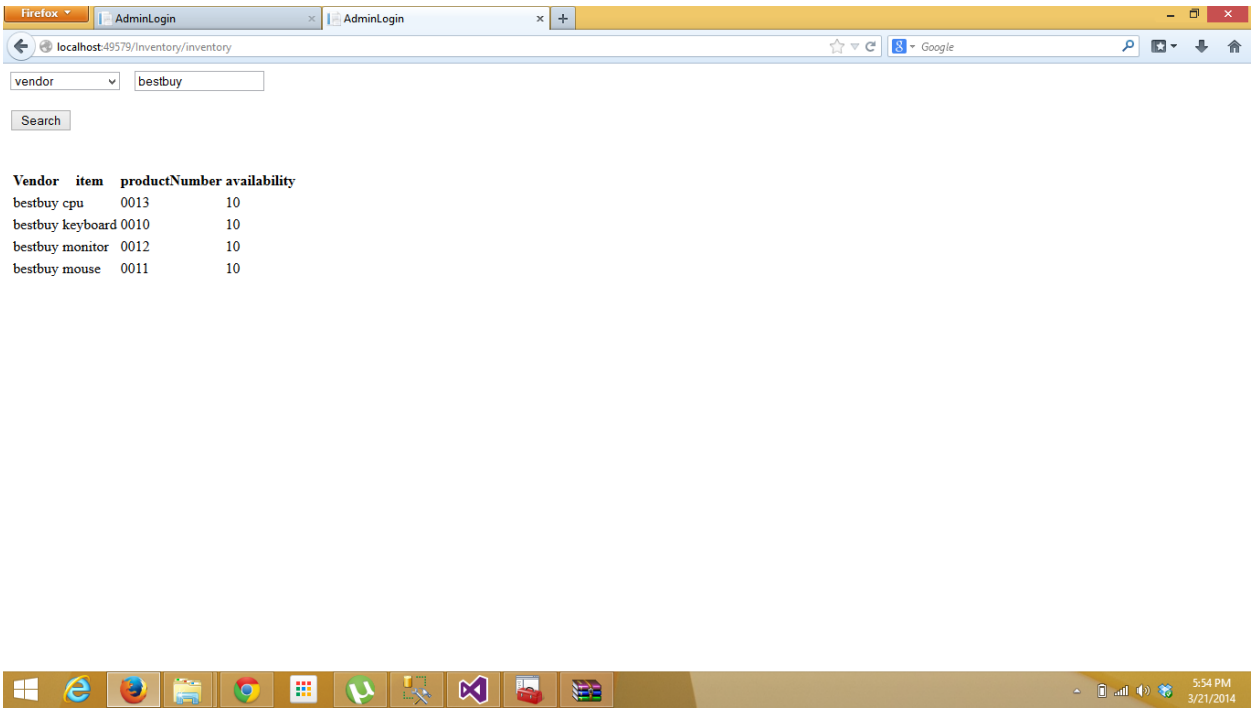
We added the search functionality describing the vendor, product type and the product name.

The outlook in addition is shown as below:

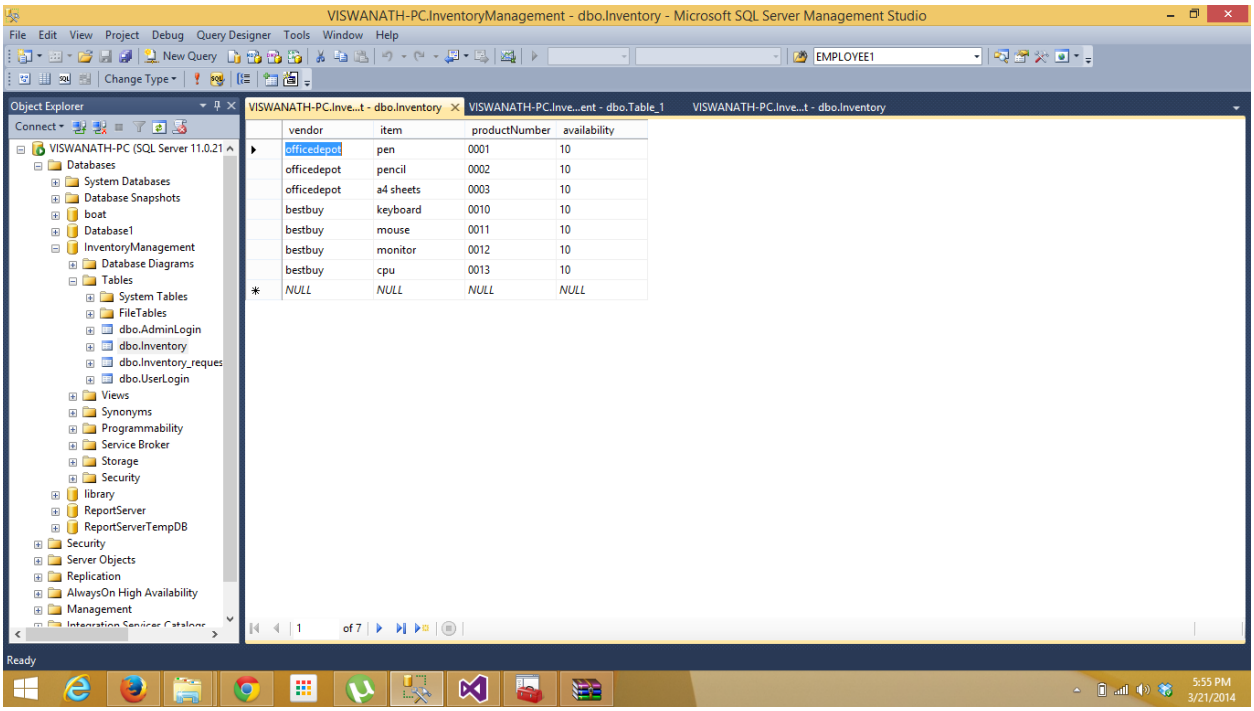
When the user wants to find the product based on the name, type and the vendor, he first chooses his option and then searches the directory.



Later the available list is popped out. It can be shown as below.



The appropriate work is also done in the database in order to get the list of items. It can be shown as below.



If the required object is not found in the list then the user can request the admin for the product and this feature can be implemented in the coming increment.

Mobile application website URL to the project cloud instance:

http://kc-sce-cs551.kc.umkc.edu/aspnet_client/Group7/InventoryManagement%20increment%202/Default

GitHub:

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

Link: https://github.com/Avanikapa/Increment2

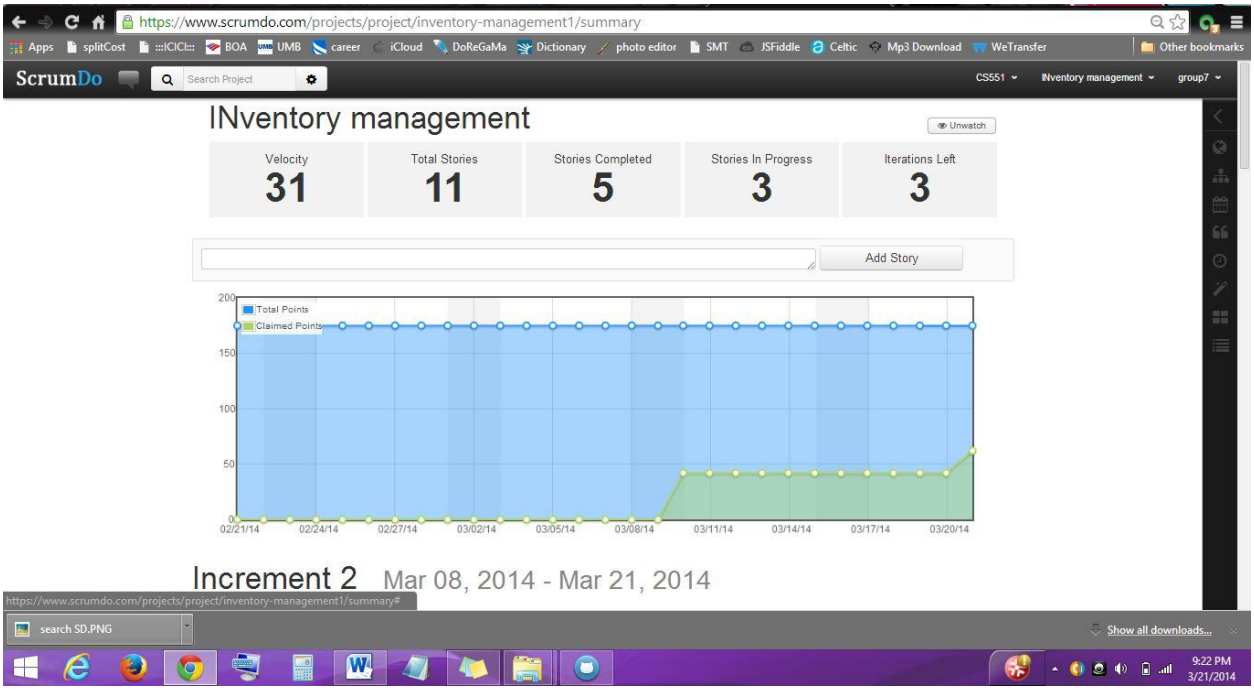
ScrumDo:

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

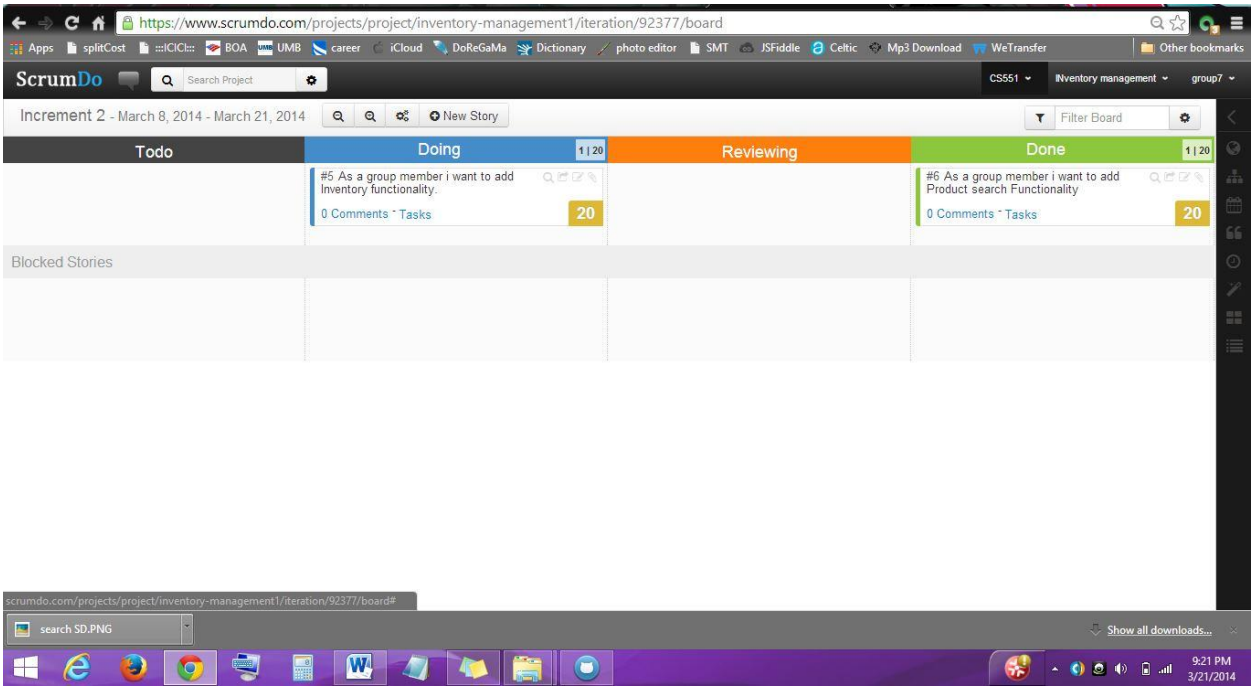
ScrumDo Id: group7

Showing the tasks done:

In particular about the whole project:

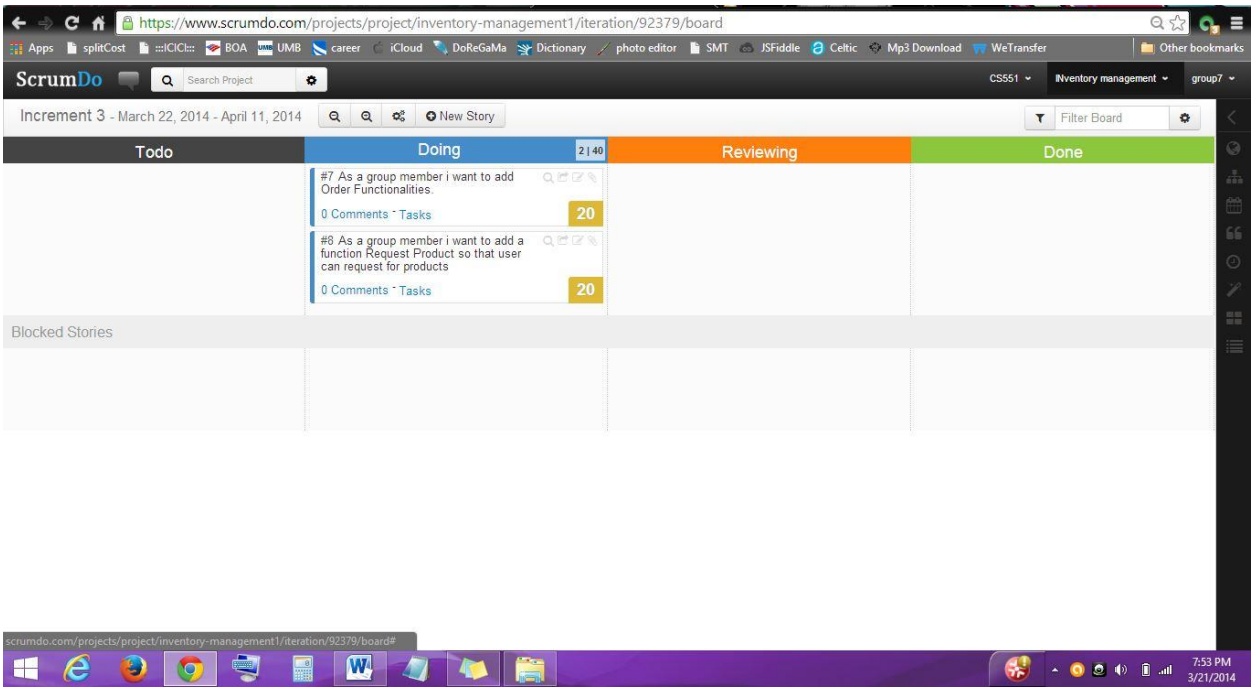


Completed tasks related to the second increment:



We are left with small task related to second increment i.e Inventory functionality. It was done partially. We will complete this in the third increment.

The third increment tasks are shown below:



Project management:

Functionality	Members Implemented
Search by vendor	Viswanath and Mounica
Search by Product Number	Avani and sirisha
Search by Item	Sirisha and Viswanath
Database Implemention	Mounica and Avani