

# Assignment #3

# Problem Statement



Develop an ecommerce product management utility. This utility begins by presenting a login screen that looks like this

A mockup of a login form. It has a light blue header with the word "Login" in bold. Below the header, there are two input fields: "Username:" and "Password:". Each field has a red asterisk to its right. Below the password field, there is a blue link that says "Forgotten your password?". At the bottom right of the form, there is a button labeled "Login »".

Login	
Username:	<input type="text"/>
Password:	<input type="password"/>
<a href="#">Forgotten your password?</a>	
<button>Login »</button>	

Admin user would enter a username and password for authentication. Upon clicking the Login button, the submitted username / password should be verified (authenticated) against existing users' information in the database.

Upon successful authentication, the user would be presented with a screen as follows:

# Problem Statement...



Page 1

https://ecom.nagarro.com

Product Management Tool

Hi username Logout

Please enter product details to add to stock




Title

Quantity

Size

Image

Browse...

S. No.	Title	Quantity	Size	Image	Actions
1	Nike Air Jordan Sneakers	10	9		 

User should be allowed to edit (change the added product's attributes viz. title, quantity, size, image) and delete the product and total size of the uploaded products should be displayed at the bottom of the listing on the same page.

# Expected Behavior and Output



## Constraints

- Max size of a single product's uploaded image should be 1 MB
- Max size of all uploaded product's images should be 10 MB

## Key Points

- Design appropriate data model and object model
- Proper validation and info messages should be shown on console wherever required
- Exception Handling is required
- Make use of Hibernate Technology for Data Base connectivity
- While writing APIs no SQL scripts should be used instead use Hibernate POJOs and HQL
- Tomcat version 8 or above and hibernate 5.x should be used.

# Evaluation Criteria



- Code Completeness and Correctness
- Usage of OO Principles, package/class structure, class/function/variable names
- Code Modularity
- Code should be in running condition
- Face to face discussion
- Data base design and proper use of hibernate technology
- Ability to deploy WAR application on application server without using IDE
- Adhere to Java Coding Standards And Guidelines