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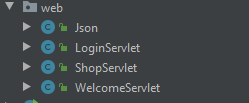
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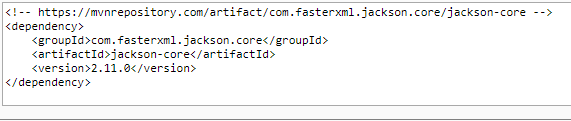
[IntelliJ 2](#_Toc39825882)

**PROJECT ONE REQUIREMENTS:**

## -Servlets

Using the Server TOMCAT





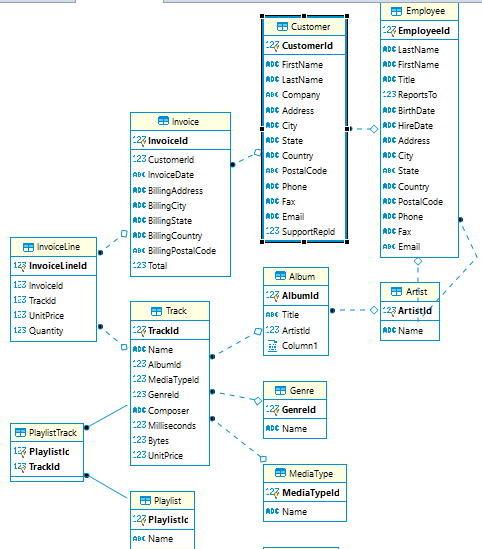
3 SERVLET CLASSES //one per webpage

1. Login
2. Welcome
3. Shopping

Along with

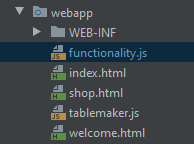
## -JDBC

### -SQL- used to write the data base



## -HTML/CSS – used to make and design a webpage

3 Servlet Classes primarily driven through HTML Functions



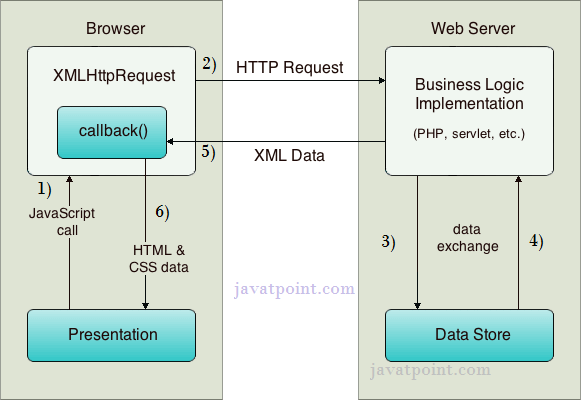
## -Bootstrap – easy CSS

## -JSON

Pros: MainStream way of storing data arrays and objects

var ***data*** = {  
 index:  
 [  
 {id:1,in:1},  
 {id:2,in:2},  
 {id:3,in:3},  
 {id:4,in:4},  
 ],  
 item:  
 [  
 {id:1,name:'Candy'},  
 {id:2,name:'Potato Chips'},  
 {id:3,name: 'Mints'},  
 {id:4,name: 'Sodas'},  
 ],  
 quantity:  
 [  
 {id:1,q:400},  
 {id:2,q:350},  
 {id:3,q:300},  
 {id:4,q:200},  
 ]  
};

## -AJAX

PROS: No page refresh while interactingNo

How to load from database

## -JUnit

## -log4j logging not Important

### Environment:

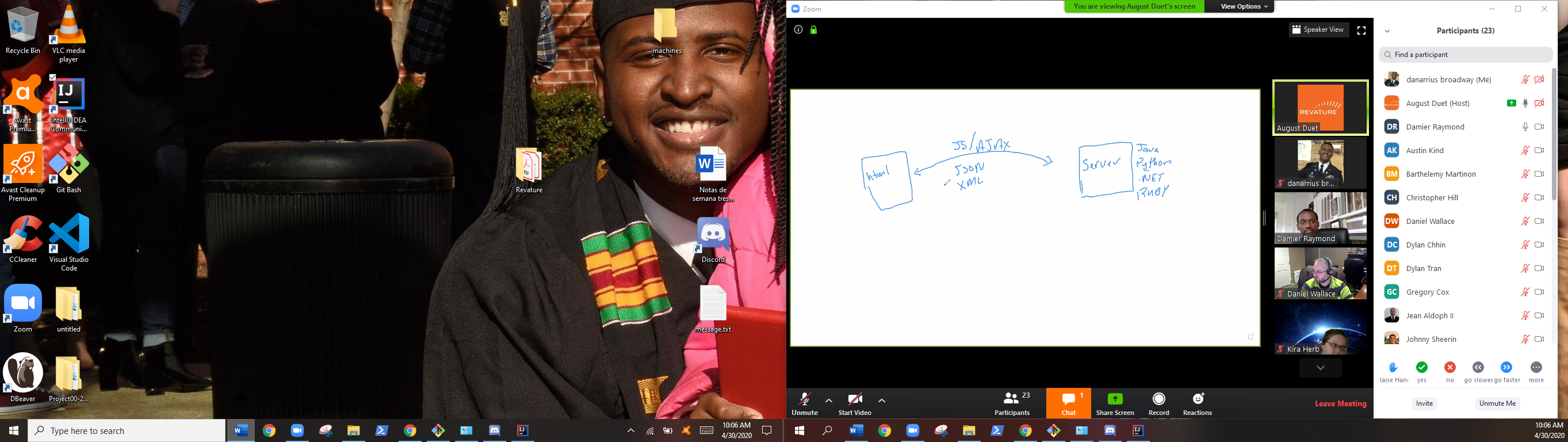
### Tomcat

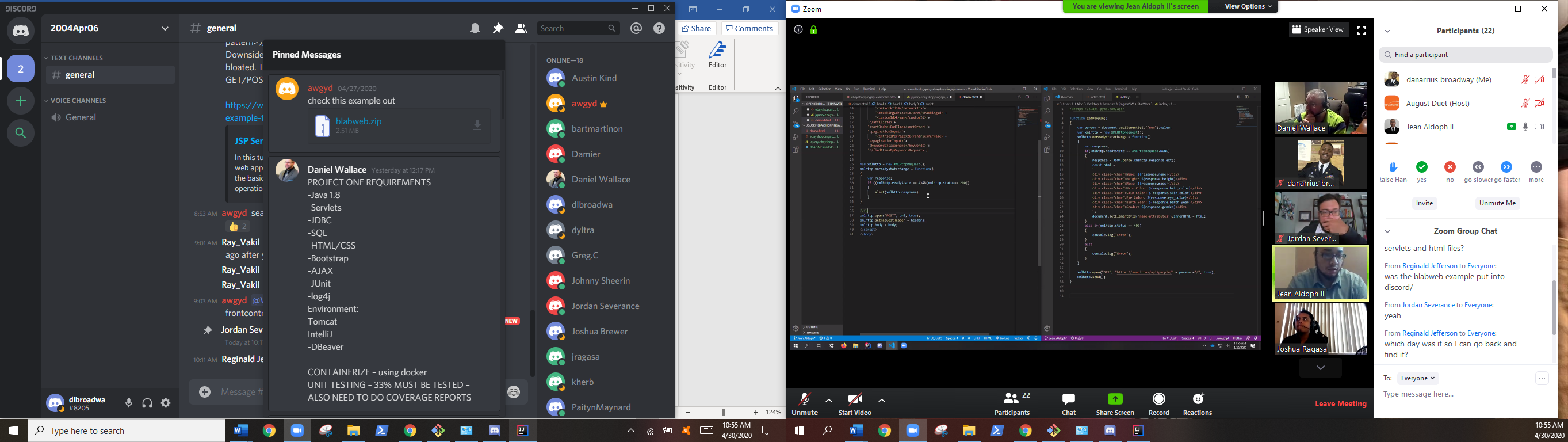
## IntelliJ

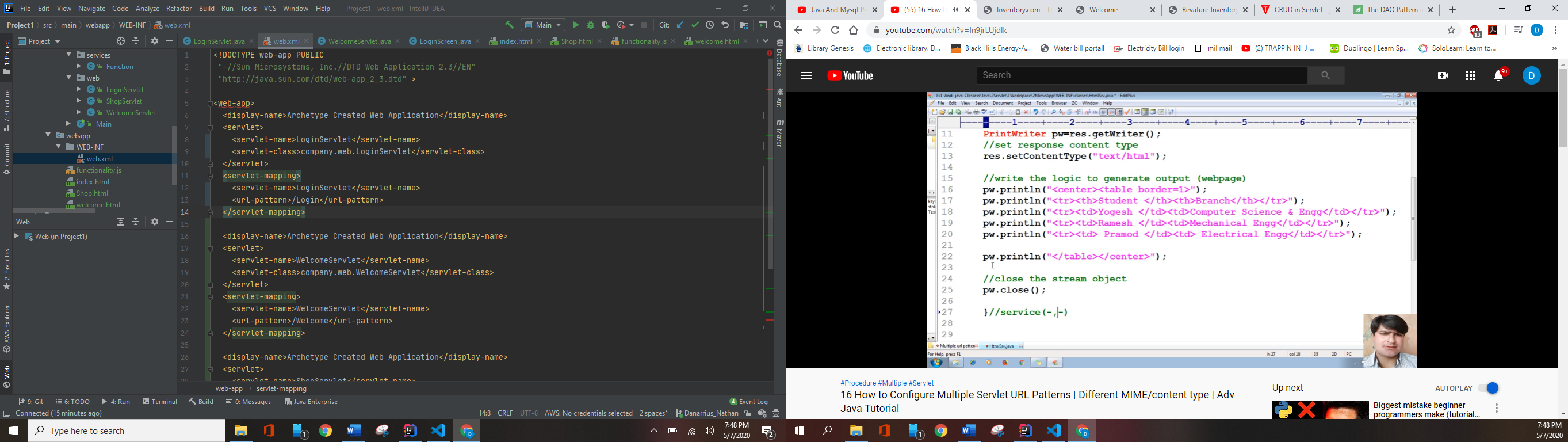
-DBeaver

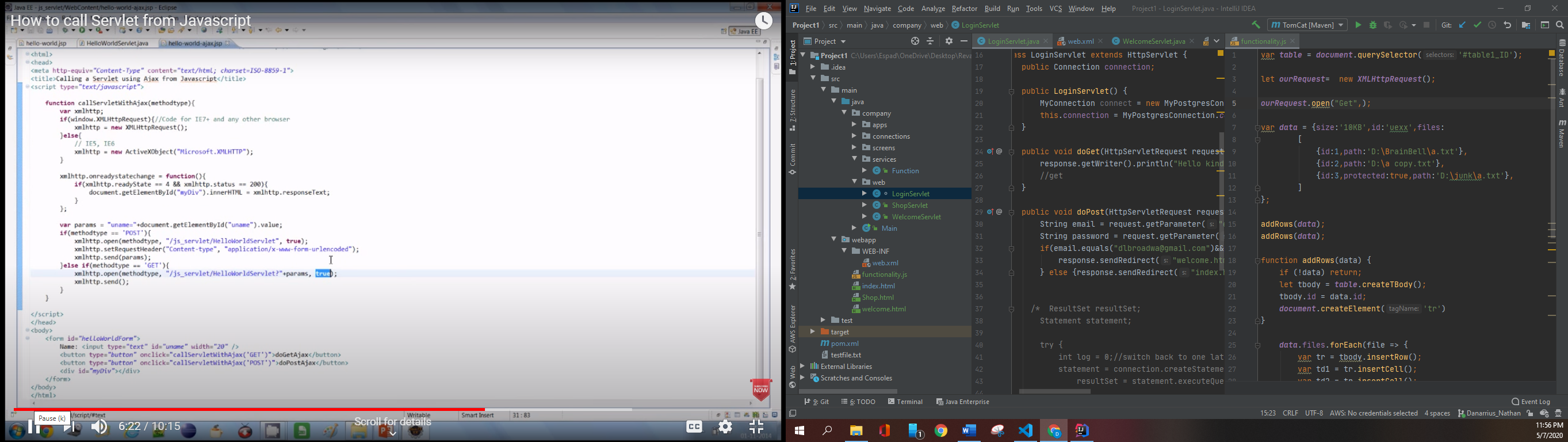
CONTAINERIZE – using docker

UNIT TESTING – 33% MUST BE TESTED – ALSO NEED TO DO COVERAGE REPORTS



Html doesn’t rely on anything it would work by itself





<https://www.youtube.com/watch?v=zqoYDkDl2Z4>

Input User Name and Password:

dlbroadwa@gmail.com

password12

## ORIGINAL CODE OUTPUT

Welcome.

Your Current Inventory:

--------------------------

ID| Name | Quantity

1 | Candy | 400

2 | Chips | 350

3 | Mints | 300

4 | Drinks | 200

Your account balance is 5000.0

Online Market:

--------------------------

ID| Name | Cost per Unit

1 | Candy | 0.25

2 | Chips | 0.4

3 | Mints | 0.35

4 | Drinks | 0.55

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

1

How many units of Candy would like to purchase?:

1

You have purchased 1 unit(s) of Candy for $0.25

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

2

How many units of Chips would like to purchase?:

2

You have purchased 2 unit(s) of Chips for $0.8

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

3

How many units of Mints would like to purchase?:

3

You have purchased 3 unit(s) of Mints for $1.05

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

4

How many units of Drinks would like to purchase?:

4

You have purchased 4 unit(s) of Drinks for $2.2

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

5

Invalid Selection

Re-enter the ID# of the item you would like to purchase: Enter "0" to exit | "411" to see your inventory

6

Invalid Selection

Re-enter the ID# of the item you would like to purchase: Enter "0" to exit | "411" to see your inventory

1

How many units of Candy would like to purchase?:

56156156

ALERT! Insufficient funds

Enter the ID# of the item you would like to purchase:

Enter "0" to exit | "411" to see your inventory

0

GoodBye.

Process finished with exit code 0

var ***data*** = {  
 index:  
 [  
 {id:1},  
 {id:2},  
 {id:3},  
 {id:4},  
  
 ],  
 item:  
 [  
 {id:1,name:'Candy'},  
 {id:2,name:'Potato Chips'},  
 {id:3,name:'Mints'},  
 {id:4,name:'Sodas'},  
 ],  
 quantity:  
 [  
 {id:1,quantity:400},  
 {id:2,quantity:350},  
 {id:3,quantity:300},  
 {id:4,quantity:200},  
 ]  
};  
  
addRows(***data***);  
addRows(***data***);  
  
function addRows(data) {  
 if (!data) return;  
 tbody = ***table***.createTBody();  
 tbody.index = data.index;  
 ***document***.createElement('tr')  
}  
  
 ***data***.index.forEach(id => {  
 var tr = tbody.insertRow();  
 var td1 = tr.insertCell();  
 var td2 = tr.insertCell();  
 var td3 = tr.insertCell();  
 var td4 = tr.insertCell();  
  
 var cb = ***document***.createElement('input');  
 //cb.type = 'checkbox';  
 //cb.id = file.id;  
  
 var id = ***document***.createTextNode(***data***.index);  
 td3.appendChild(id);  
  
 var n = ***document***.createTextNode(***data***.name);  
 td2.appendChild(n);  
  
 var ph = ***document***.createTextNode(***data***.quantity);  
 td3.appendChild(ph);  
  
 });