

# Tunku Abdul Rahman University College

## Assignment

### AACS3094

#### GUI and Web Application Programming

Programme : DIA 2

Tutorial Group : F1

Date Submitted to Tutor : 09/01/2019

#### Team Members:

No	Student Name	Student ID	Module(s)	Signature
1.	Brendan Chew Jian Wen	17WMD05129	Add to cart and Checkout	
2.	Chia Wei Xiang	17WMD05356	Sign In, SignUp and Settings	
3.	Soo Cia Yang	17WMD05652	Database setup and Interface Design	
4.	Tai Choon Wei	17WMD00892	Staff Control	

### **Declaration**

We confirm that we have read and shall comply with all the terms and conditions of TAR University College's plagiarism policy.

We declare that this assignment is free from all forms of plagiarism and for all intents and purposes is my own properly derived work.

Signature:				
Name:	Brendan Chew Jian Wen	Chia Wei Xiang	Soo Cia Yang	Tai Choon Wei
Date:	09/01/2019	09/01/2019	09/01/2019	09/01/2019

# Projects Folders and Files

## Web Pages

1. Layout.dir
  - This folder containing files that used for header and footer of the web pages :
    - a. Images.dir
    - b. reset.css
    - c. base.css
    - d. meta.jsp
    - e. footer.jsp
    - f. header.jsp
2. About.dir
  - This folder containing files that used for describing our company and the way to contact us.
    - a. Icon.dir
    - b. Images.dir
    - c. Style.dir
    - d. AboutUs.jsp
    - e. ContactUs.jsp
    - f. FAQ.jsp
3. Account.dir
  - This folder containing files that used for customer account settings.
    - a. Settings.jsp
    - b. SignIn.jsp
    - c. SignUp.jsp
    - d. MyOrder.jsp
4. Checkout.dir
  - This folder containing files that used for customer account settings.
    - a. Payment.jsp
    - b. Receipt.jsp
    - c. ShoppingCart.jsp
5. Promo
  - This folder containing files that used for promotion page.
    - a. Image.dir
    - b. Style.dir
    - c. promotion.jsp
6. Video.dir
  - This folder containing files that used for the home pages, video/product lists and product descriptions.
    - a. Images.dir
    - b. Style.dir
    - c. Dyspee.jsp
    - d. TVSeries.jsp
    - e. topRating.jsp
    - f. Trailer.jsp

7. Staff.dir
  - This folder containing files that used for staff control.
    - a. DisplayProductList.jsp
    - b. SearchProduct.jsp
    - c. StaffAdd.jsp
    - d. StaffAddConfirm.jsp
    - e. StaffDeleteConfirm.jsp
    - f. StaffDeleteConfirmation.jsp
    - g. StaffDisplay.jsp
    - h. StaffSignIn.jsp
    - i. StaffUpdateConfirm.jsp
    - j. StaffUpdateConfirmation.jsp
    - k. StaffHeader.jsp
    - l. Staffui.jsp

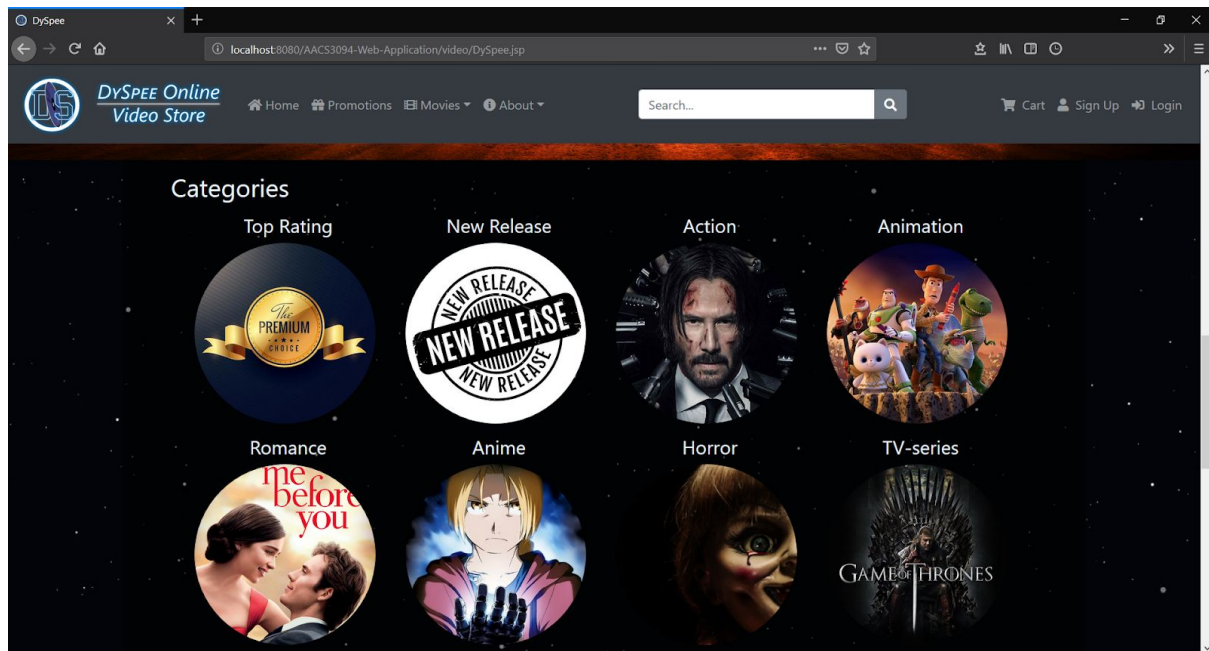
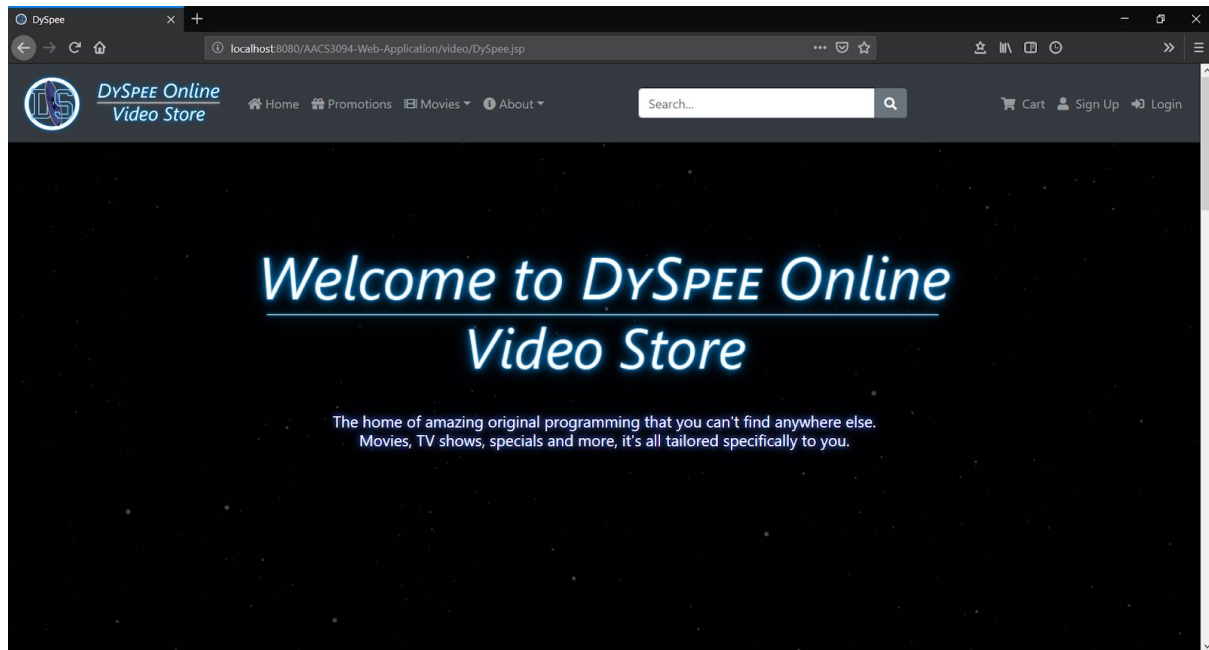
### **Source Package**

1. Control package
  - This folder containing all the control servlets
    - 1.1. LoadProductList.java
    - 1.2. NewOrder.java
    - 1.3. SearchProduct.java
2. Control.cart package
  - 2.1. AddItem.java
  - 2.2. DeleteItem.java
  - 2.3. UpdateItem.java
3. Control.customer package
  - 3.1. Setting.java
  - 3.2. SignIn.java
  - 3.3. SignOut.java
  - 3.4. SignUp.java
4. Control.staff package
  - 4.1. StaffAddItem.java
  - 4.2. StaffDeleteItem.java
  - 4.3. StaffSignIn.java
  - 4.4. StaffSignOut.java
  - 4.5. StaffUpdateProduct.java
  - 4.6. StaffView.java

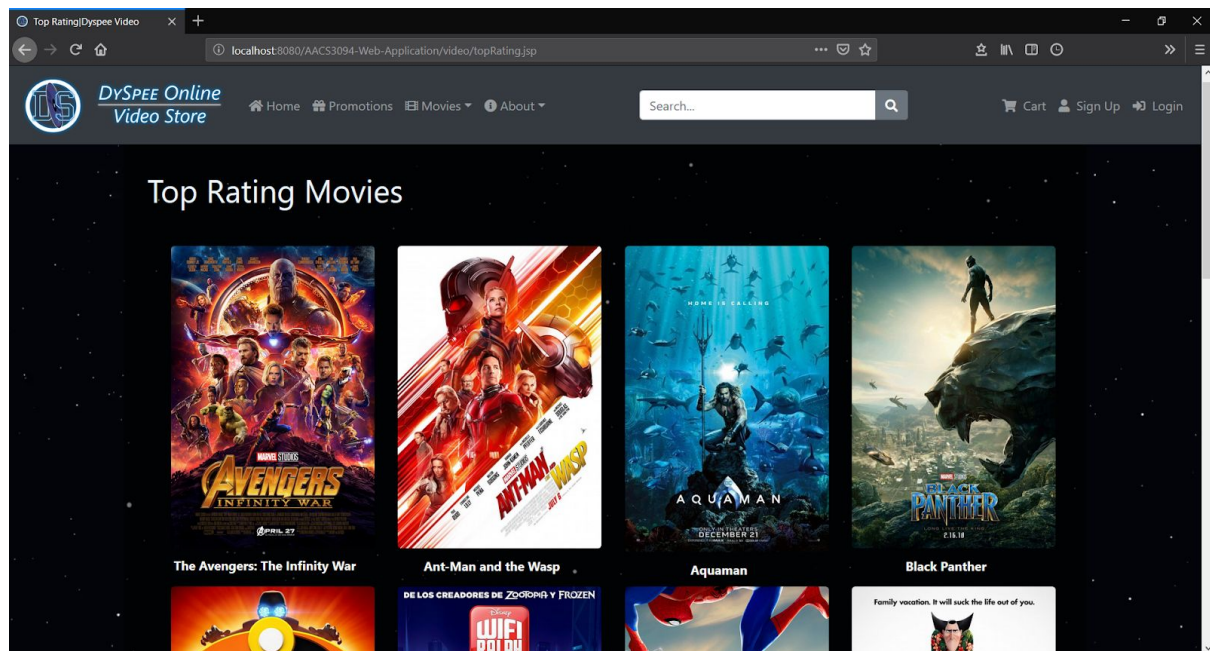
5. Entity package
  - This folder containing all the entities files
    - 5.1. Customer.java
    - 5.2. Custorder.java
    - 5.3. Orderlist.java
    - 5.4. OrderlistPK.java
    - 5.5. Product.java
    - 5.6. Staff.java
6. Service Package
  - This folder containing all the service servlets
    - 6.1. CustomerOrderService.java
    - 6.2. CustomerService.java
    - 6.3. ProductService.java

## Sample Screen Shots

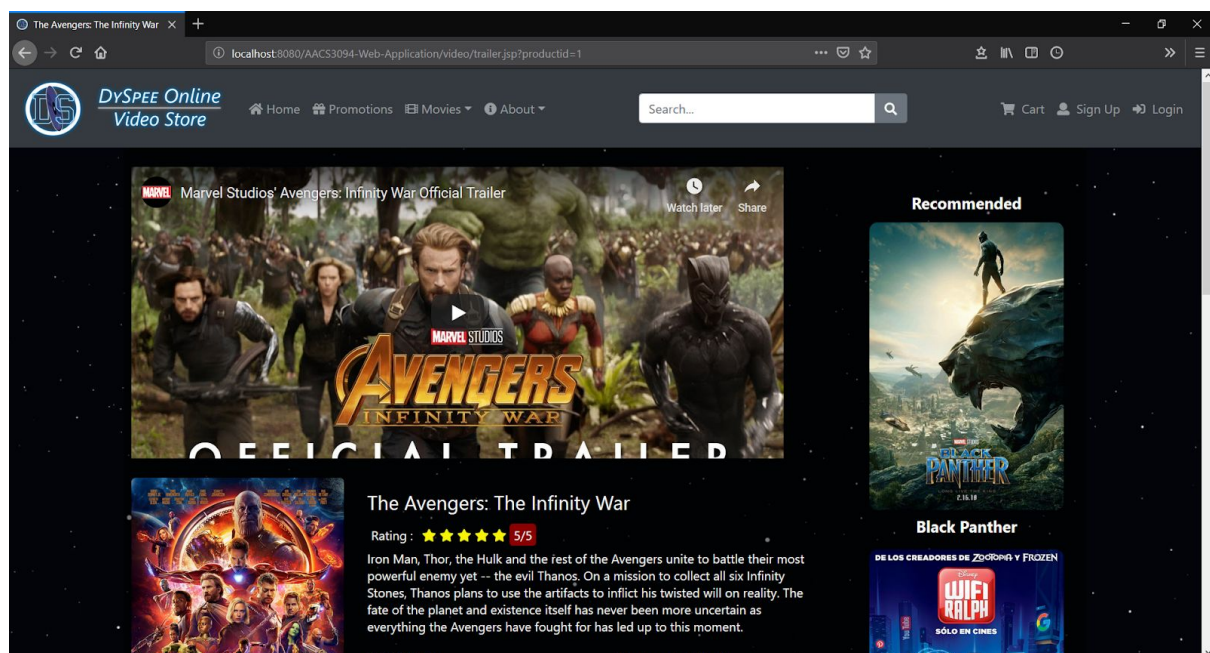
### Customer Portal Home Page



## Product/Movies List



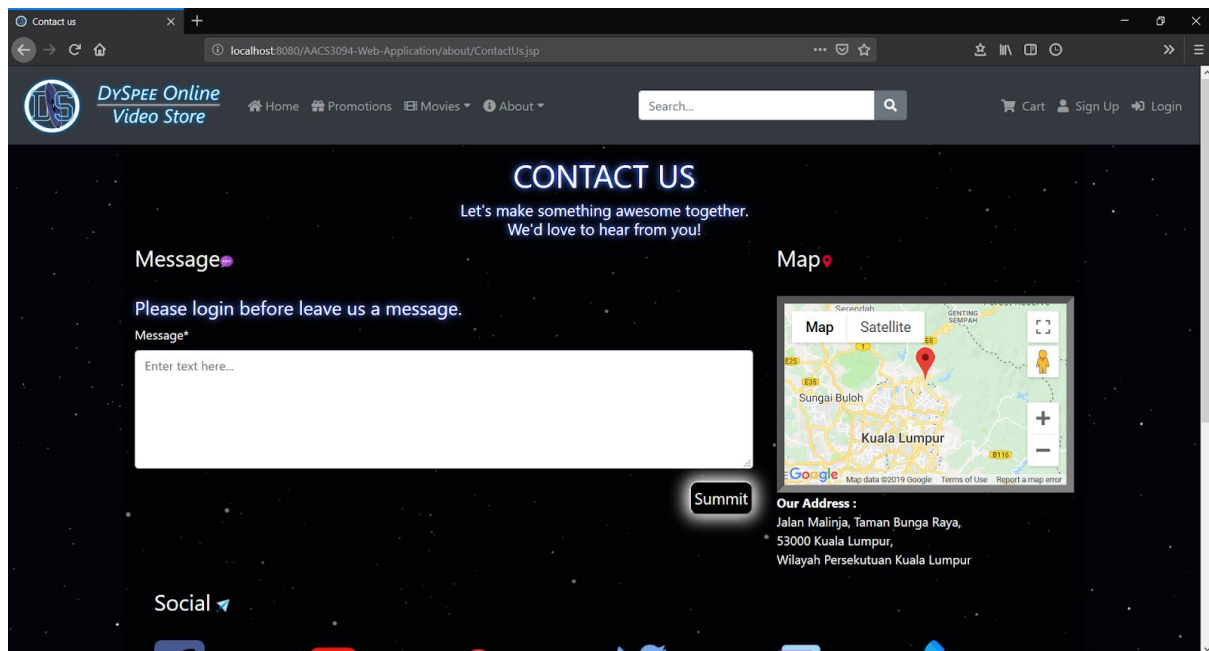
## Product Details/Movie Trailer



## AboutUs



## Contact Us





## FAQ

The screenshot shows a web browser window with the URL `localhost:8080/AACS3094-Web-Application/about/faq.jsp`. The page header includes the DySPEE Online Video Store logo, navigation links (Home, Promotions, Movies, About), a search bar, and links for Cart, Sign Up, and Login. The main content area has a dark background with the title "FAQ" in large white letters. Below the title is a subtitle: "Everything you really needs to know about DYSPEE." There are four FAQ items listed in white boxes:

- How do I place an order?**  
choose your product  
check product information  
add to cart  
enter your email  
provide delivery information  
choose your payment method  
place your order  
receive order confirmation
- How can I change delivery address/ phone number/ recipient for my existing order?**
- Can I cancel my booking?**
- Why isn't my payment method accepted? < /a>**

## SignUp

The screenshot shows a web browser window with the URL `localhost:8080/AACS3094-Web-Application/account/SignUp.jsp`. The page header is identical to the FAQ page. The main content area has a dark background with the title "Sign Up" in large white letters. Below the title is a registration form with the following fields:

- \*Name :**
- \*Phone Number :**
- \*Email :**
- Date Of Birth :**
- \*Password :**
- \*Retype Password :**

## SignIn

Sign In

\*Email address

Enter email

Password

Password



Sign In

Forgot password?

## Cart

Quantity updated successfully

### Your Shopping Cart


Items	Quantity	Price	Total
 The Avengers: The Infinity War <a href="#">Remove</a>	3 <a href="#">Update Qty</a>	RM 30.00	RM 90.00
 Megalo Box <a href="#">Remove</a>	1 <a href="#">Update Qty</a>	RM 30.00	RM 30.00
Subtotal:			RM 120.00

[Proceed to Checkout](#)

## Check Out

Checkout

localhost:8080/AACS3094-Web-Application/checkout/payment.jsp



**DySPEE Online**  
Video Store

Home Promotions Movies About

Search...

Cart user Sign Out

### Delivery Information

**\*Name :**

**\*Phone Number :**

**\*Address :**

[Continue](#)


### Order Summary

Items	Quantity	Price	Total(RM)
The Avengers: The Infinity War	3	30.0	90.00
Megalo Box	1	30.0	30.00
Shipping fee:		FREE!	0.00
<b>Subtotal:</b>			<b>120.00</b>

## Receipt

Order History

localhost:8080/AACS3094-Web-Application/checkout/receipt.jsp?status=1



**DySPEE Online**  
Video Store

Home Promotions Movies About

Search...

Cart user Sign Out

Order created successfully.

### Order Receipt

Order ID : #4  
Order Date: 2019-01-09  
Tracking No : ABCD12345678  
Status: Processing

Item	Quantity	Price	Total
The Avengers: The Infinity War	3	30.0	RM 90.0
Megalo Box	1	30.0	RM 30.0
<b>Subtotal:</b>			<b>RM 120.0</b>

[Back To Home Page](#)

## **Personal reports**

### **Tai Choon Wei – Staff Control module**

By completing this assignment, I would like to thank my tutor Ms Ashvini who plays an important role that assist me in completing this assignment. I have gained a lot of knowledge during the progress and also enhanced my ability in coding. Ms Ashvini also gave us a lot of guidance in order to complete the assignment and let us practice coding during class.

Beside that, I would like to thank my group mates that helped me to finish the assignment. Although I am not good at coding, but my teammate doesn't abandon me but provide me guidance and solutions whenever I met issues in my program. In doing so, we learned how to work together to come out with a good program where we all take part in the project. And also special thanks to my team leader, Brendan who expert in coding assign us in each part of program and lead us efficiently.

Lastly, I would like to thank whoever stood by my side during all this time. Truly grateful for all the support no matter physically or mentally. Throughout this assignment, I learned the importance of time management, if we didn't have a good time management skill, we are not able to finish this assignment.

### **Chia Wei Xiang - Sign In, Sign Up and Settings module**

After completing this assignment, I realise that the powerful and plasticity of Java. While I starting doing the sign up part, I have a lot of idea and concept on develop my module. To make sure all my idea and concept is fully implemented in my module. I doing a lot of research on websites such as W3School and TutorialPoint and I find out that there are a lot of more effective and efficient ways and concepts from other people are better than mine.

After collecting enough of source and data, I start doing my part and facing a lot of problem while start doing my sign in and sign up page. After discuss with my teammates, I give up some function such as the forget password function because I don't have enough time and knowledge to complete the function. This is due to the reason that I can't manage the time well to complete each of my part.

While designing my web page layout, my friend introduced me to use Bootstrap to redesign my web pages. After doing some research on W3school on how using the Bootstrap, i find out that Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. It can help us to implement our idea with least and minimize code. By using Bootstrap, i successfully reduced the used of css and reduce the time spend on design my web pages.

### **Soo Cia Yang - Database Setup**

After finishing this assignment, I realise that setting up a database for a system is not easy, it also one of the most important task in a project. This is because I need so much communication with my teammates to ensure that users data can be recorded in the database and no data redundancy in the system. Therefore, i start to use what i have learned in last semester, the Databases Development And Applications subject to make use of the knowledge in this project. Then I begin to recall back the assignment we have done in last semester, starting with drawing a ERD diagram to illustrate our system's data and the relationship between each entities. After completing the ERD diagram then i start creating the database and create tables for our system, also populate some dummy data for testing purposes.

Meanwhile my teammate is doing other module i also have to make sure their module always synchronize with the database, even after setting up the database, we still have made some modification on the database such as adding column and remove some unnecessary relationship to prevent conflicts with other module. A lot of things we do need to discuss together in order to have a accurate database for the project. Since the projects is using MVC model and Entity Manager, it helped us a lot when connecting to database but also lead us facing many errors too. But after a lot of efforts and teamwork, we finally finished the project and able to submit on due date.

## **Brendan - Add to cart, Checkout**

I've learnt how to make JSP and servlets with "Murach's Java Servlets and JSP (3rd Edition)" which I borrowed from the library. It's a beginner friendly, step-by-step book. It guides me on how to fully utilize the power of JSP and Servlets, shorten the code base while keeping functionality intact, improve readability of the code for other programmers to fix or enhance, have a better understanding of whole MVC model and structures. I even recommended it to some of my colleagues but their ignorance may have probably cost them their time. There's 5 of the same book on the main campus shelf, and each of them looks like brand new.

One thing is the book doesn't teach entity though. I got guidance from Tutorialspoint. It's a great website, it teaches almost everything, from assembly to python programming, you name it.

Being a team leader means taking responsibility onto your own hands. It is my duty to guide my team members if they're having issues with the project. It is practically impossible (for an average person), to solo the whole project as there's too much to take care of. Thus I split the tasks to each member and is able to meet the due date in time. We're able to make a product which is unique and satisfy all the assignment criteria.

## Appendix