**LAB AUTOMATION**

**FACULTY NAME:**

**- Miss Fariha Ahmed.**

**GROUP MEMBERS:**

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| **Student1169699** | **JAFFAR ABBAS** |
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**ABOUT US**

**Batch Code: 1901-G1**

**Group Members:**

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**ACKNOWLEDGMENT**

**W**

e are thankful to Almighty ALLAH that by His grace we have been successful. We have tried to design the project in such a way that user may not find any difficulty in using this package and further expansion is possible without much effort.

This is our **Third Semester E**-project and we are Alhamdulillah confident enough that this package can be readily used by non-programming personal avoiding human handled chance of error.

We earnestly hope that this project will provide all the necessarily information required for the user to fulfill their inspiration. However suggestions for improvement of the project will be thankful received & acknowledge.

**Thank you.**

**INTRODUCTION**

The SRS Electrical appliances are the manufacturers of some electrical products like switch gears, fuses, capacitors, resistors, etc…. These products after manufactured they are sent for testing where the product is subjected to some testing conditions, and then after the testing is successful at their laboratories they are sent to CPRI for further testing process, so that they can get it approved from CPRI and then release the product into the market. If the testing fails then the product is sent back for re-manufacturing it and then they are again subjected to tests.



**SYSTEM REQUIREMENT**

**Hardware**

1. A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
2. 64 Megabytes of RAM or better
3. Windows 98 (or higher if possible)
4. Java Virtual Machine

**Software**

**Either or combination of the following Software’s are to be used:**

* Notepad/HTML editor/Java editor
* Dream weaver/JavaScript
* j2sdk1.4.1\_02 (or later) / .Net / J2EE
* JSP / Servlets
* EJB / Struts
* JDBC
* SQL Server 2000 (or later) / Oracle 9i / MS Access
* JDBC Driver



**PROBLEM STATEMENT**

In order to avoid the confusion in maintaining the records, misplacement of the records, and to reduce

the time consumption in entering and fetching the details they want an application to be built that holds all the

information of the testing like the type of testing conducted, result and even they should be able to capture the

type of the testing done.

They say that they want the application in modular and sub modular form depending on the type of the

testing and as well based on the type of the product. One should be able to access the product based on the

product id or testing id. As soon as a testing record is entered the unique test id (12 digit code which includes

the product code, the revise of the product, and as well the testing code and the testing roll number) should be

generated automatically. They also say that they want an advanced search option through which they can fetch

the details at an ease.

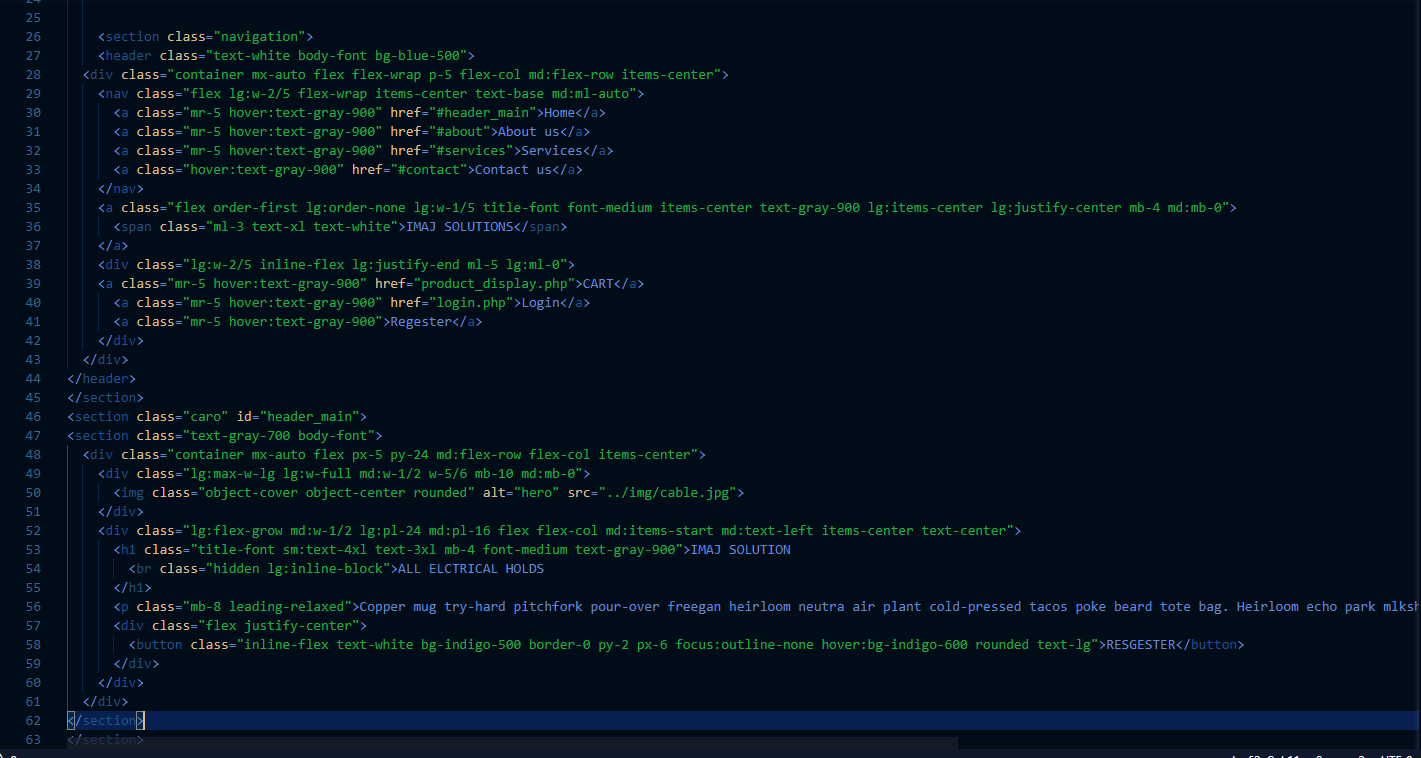
They also want the application to hold the detailed remarks where one can enter the testing is done

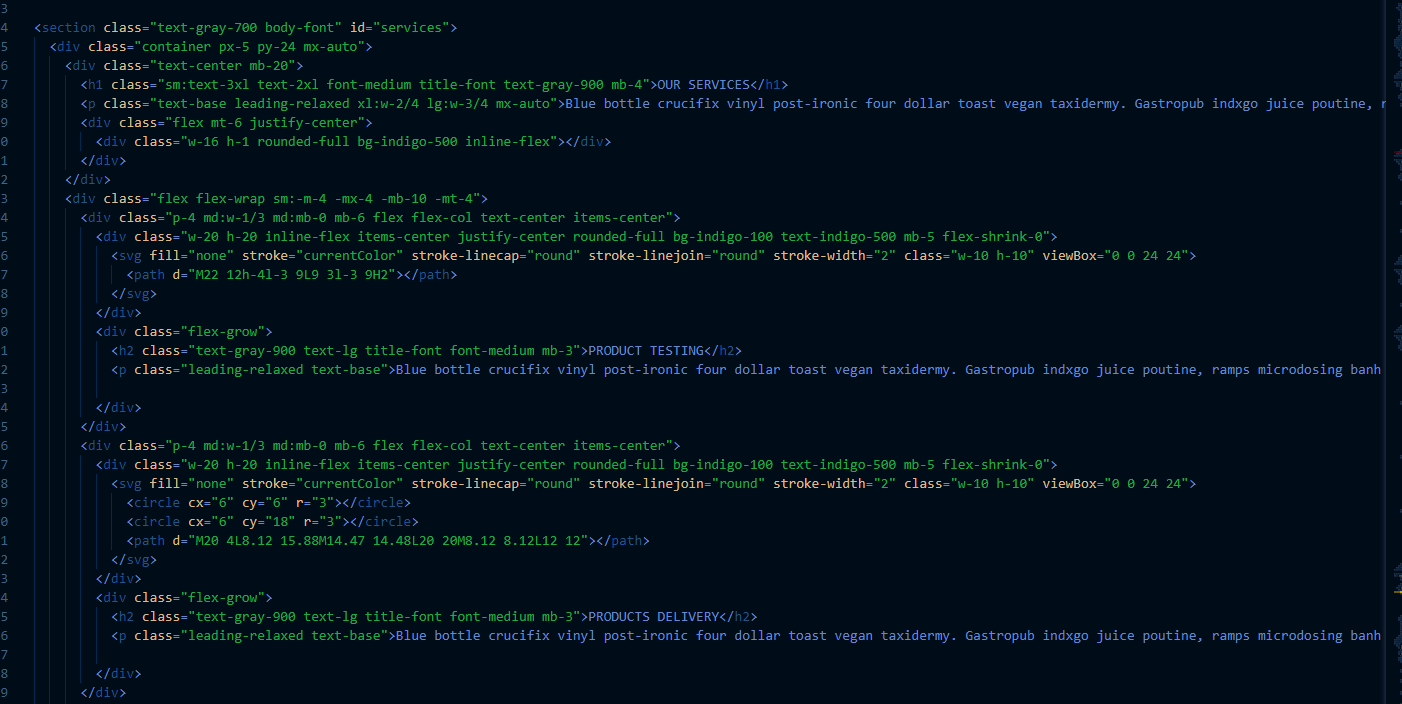
based on which criteria, and what is the output seen for that testing, etc….

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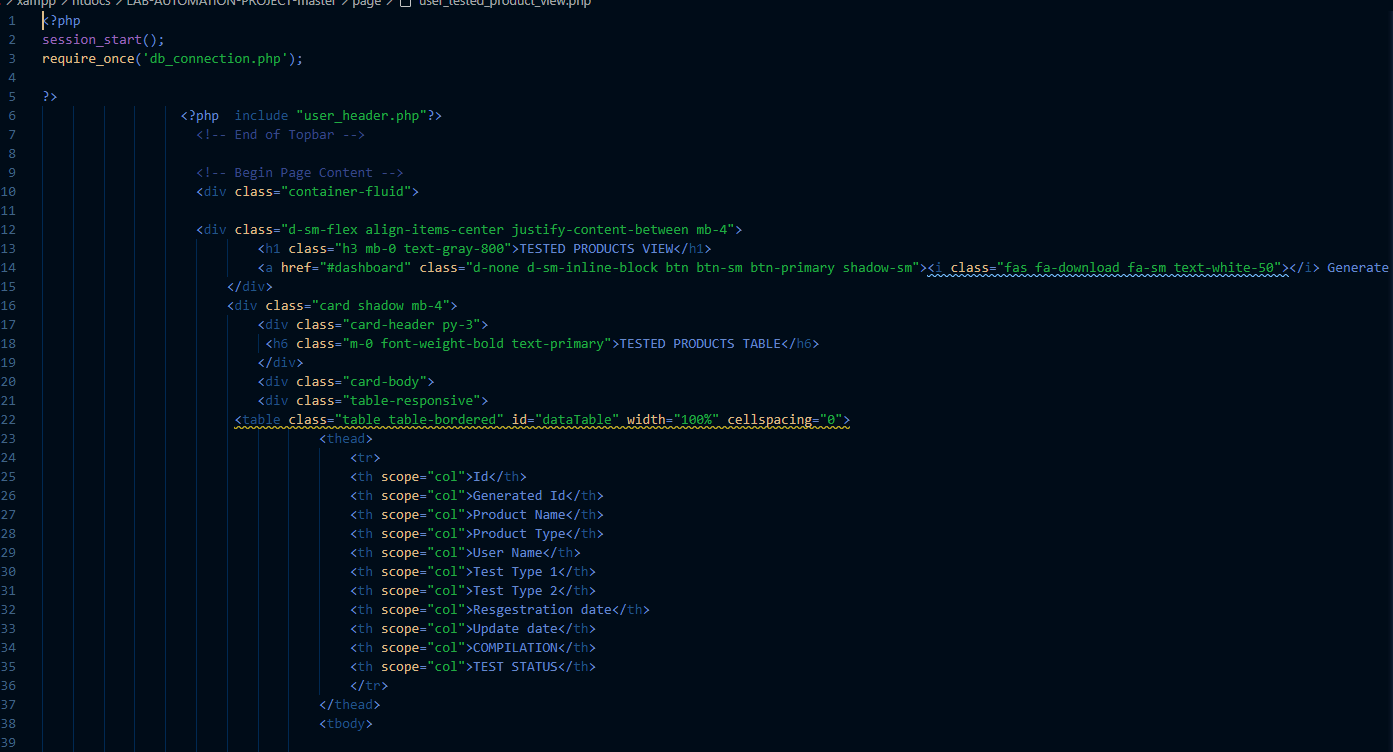
**SCREENSHOTS OF CODING**

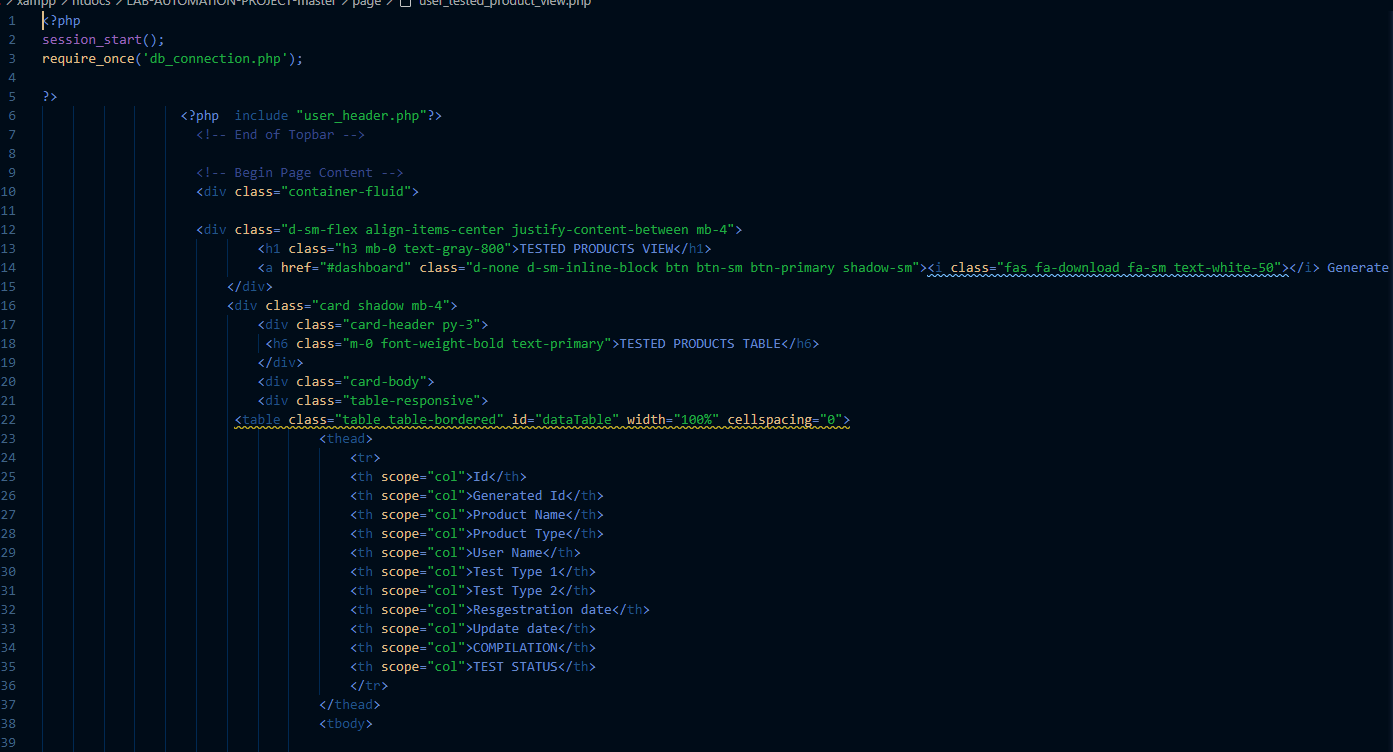
**Pages**

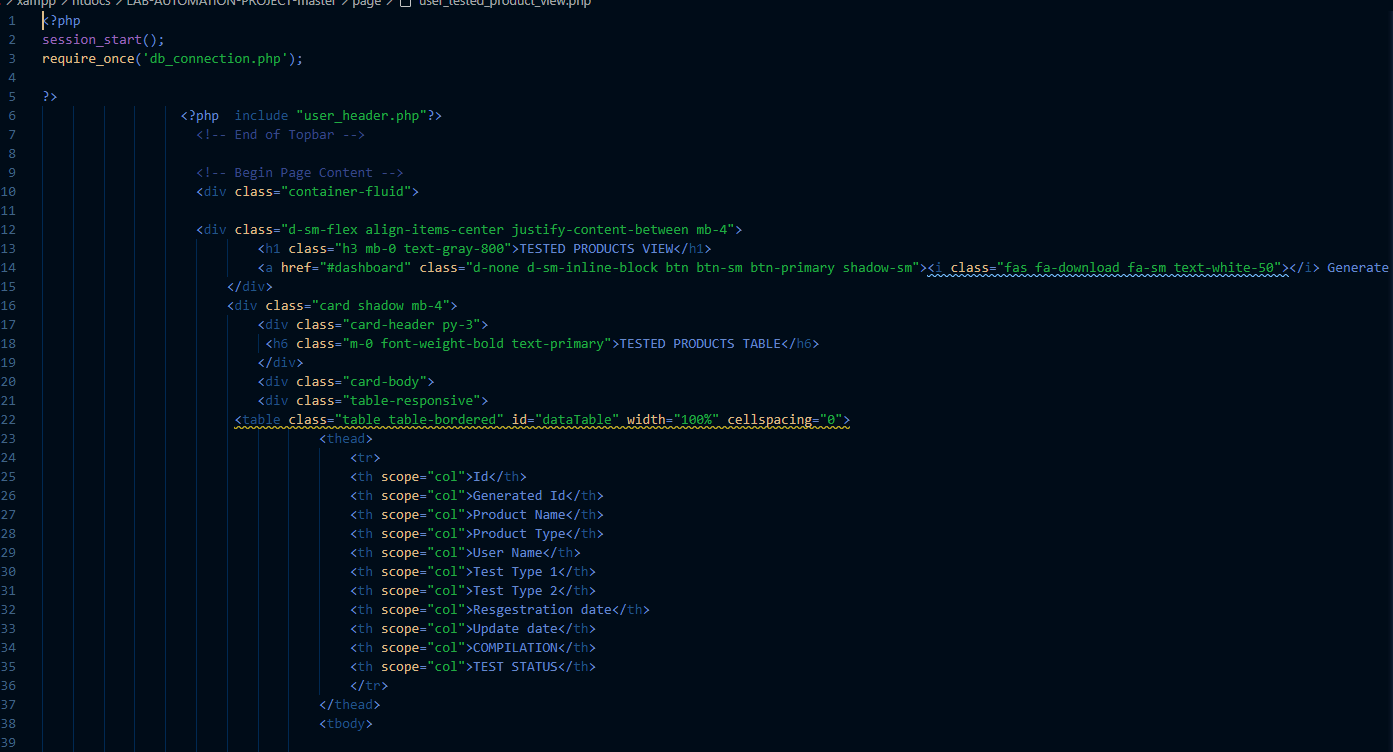
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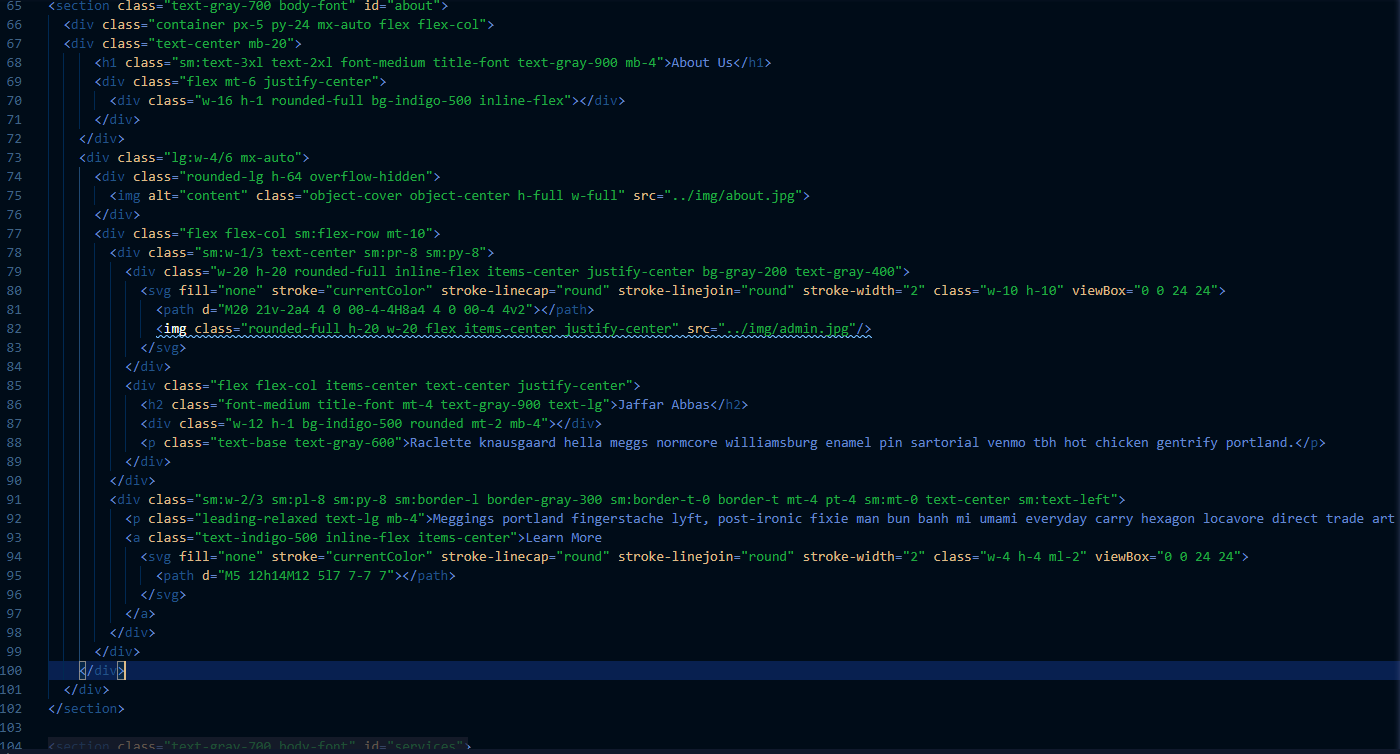
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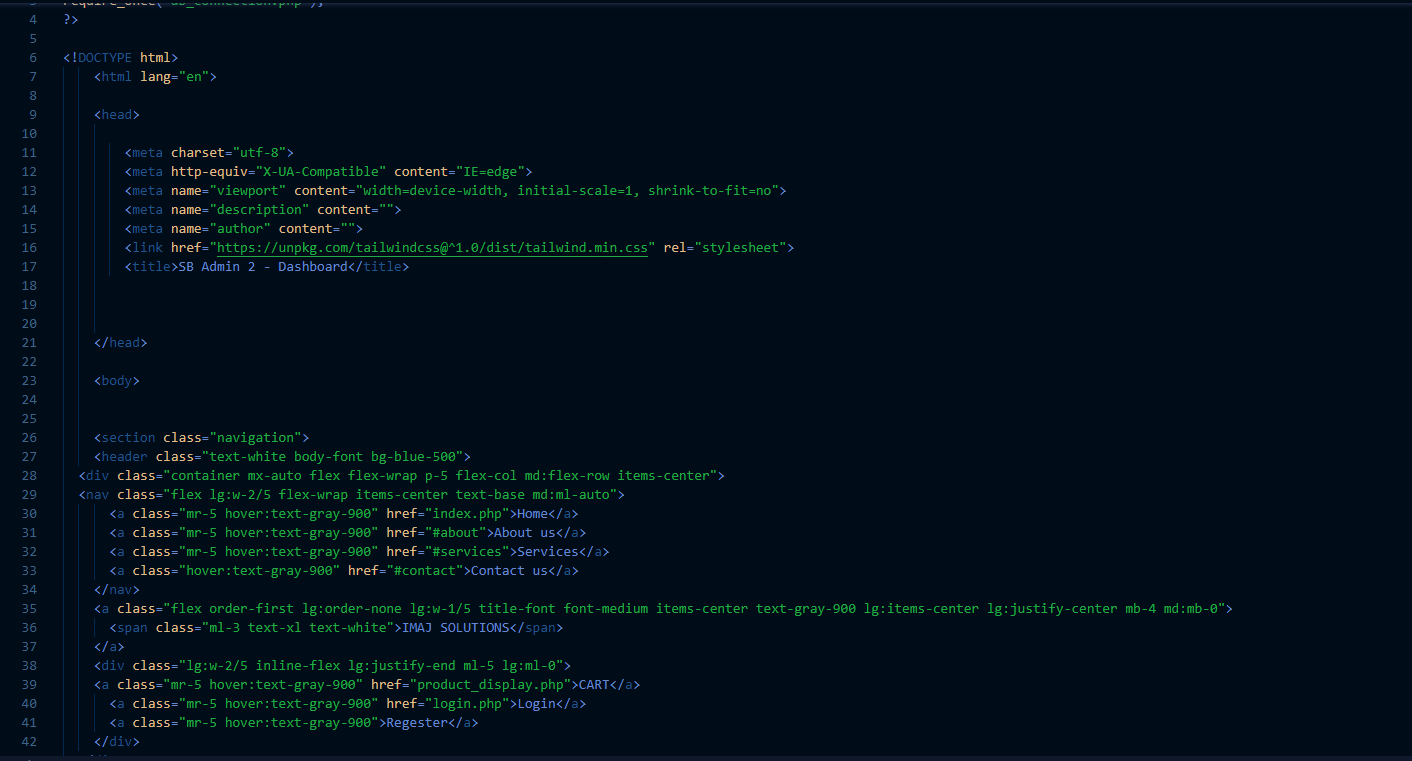


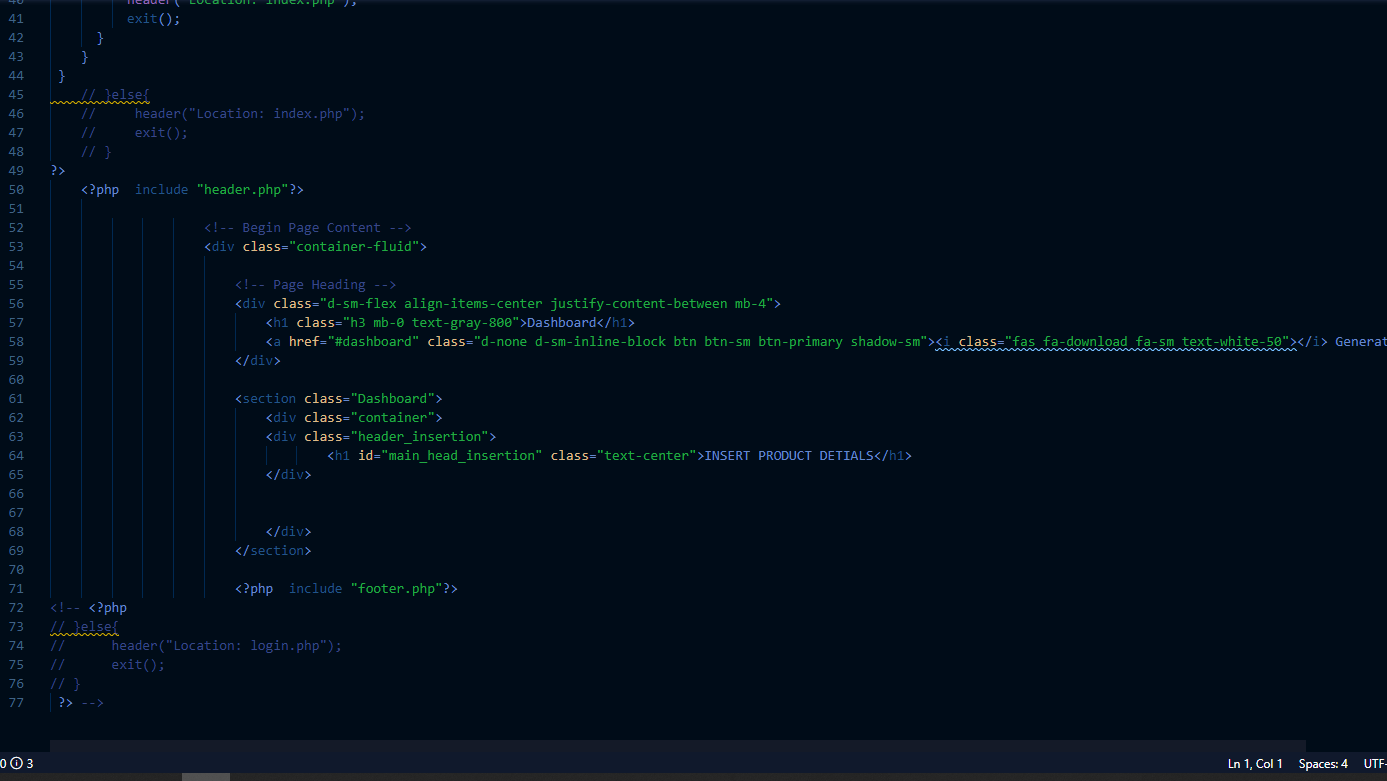
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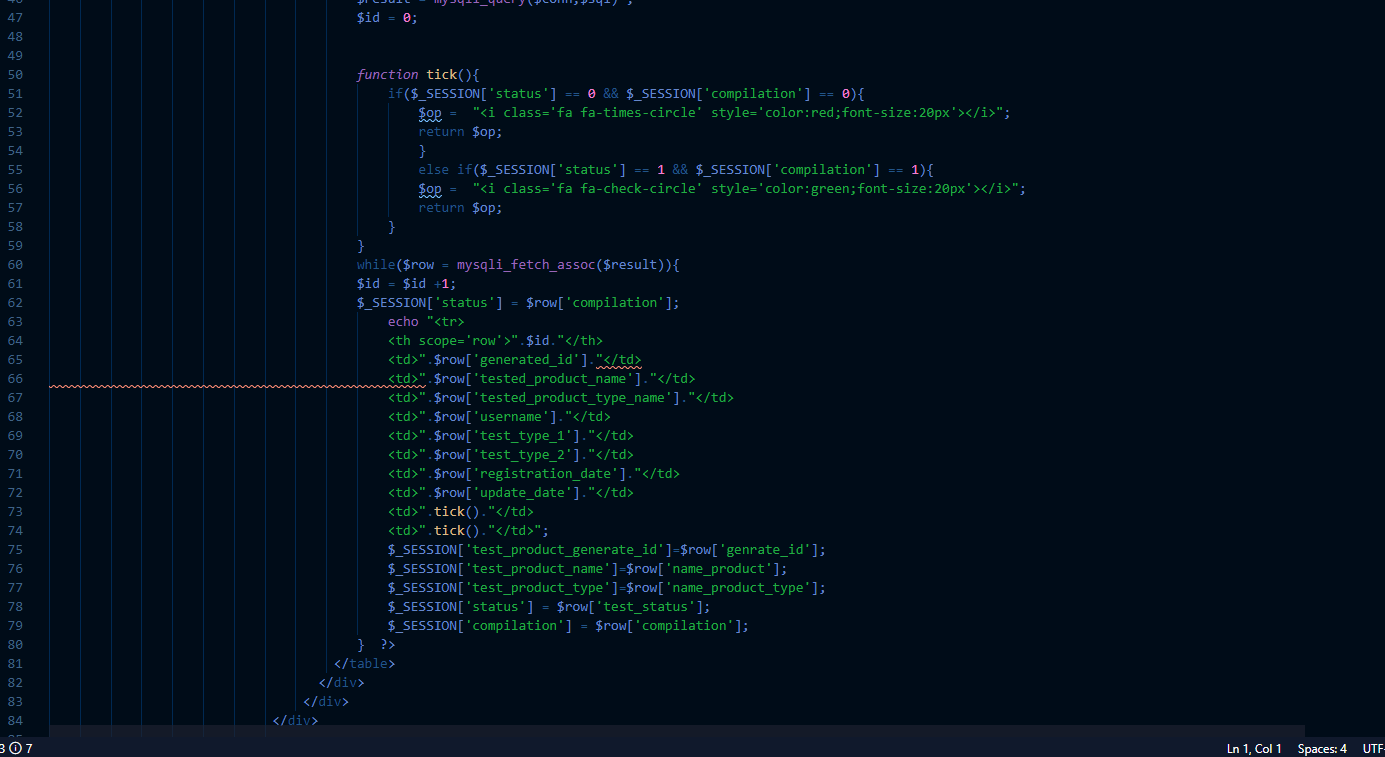
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