Final Project

Object Oriented Development

October 22, 2021

Challenges and difficulties:

As such I faced no difficulty because I implemented these design patterns in weekly assignments, but definitely there are issues for example, how to use the multiple patterns. But I got it and implemented it. And the announcements were scary like if respected professor will not be able to run the code, then we will get straight zero. To overcome this fear, when I was done with the coding, I sent project to different laptops and run it on multiple machines, and it was working on every laptop accurately. But to accomplish this I had to install the eclipse, and download the JRE and JDK file on different laptops.

And since I used filing in my project and I didn’t use it for a long time, so there were multiple issues regarding syntax.

Other than this I would like to mention that project is completed successfully.

When the program runs it shows main menu with 5 options:

Table

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We have to select an option.

If I enter 1 then two more options displayed on the screen which are as follows:

Text

Description automatically generated

If I enter 1, Staff/Teacher Schedule will be displayed as follows:

Text

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If I enter 2, Teacher Name, Duty and Duty time will be asked respectively, and this data will be saved in the ManagerData file:

Text

Description automatically generated

When I select option 2 from main menu, two options will be displayed on the screen as follows:

Text

Description automatically generated

When I enter 1, account details of the Staff/Teacher (Full name, Role and Salary/Fees) will be displayed as follows:

Graphical user interface, text, application

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If I enter 2 details of staff, Full name, Role and Salary/Fees, will be asked and this data will be saved in AccountsData file:

Text

Description automatically generated

If I select option 3 from main menu then further two options will be displayed on the screen as follows:

Text

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If I select option 1 from these two options then the Attendance details will be displayed on the screen as follows which has Teacher’s name, Role and This month’s attendance:

Graphical user interface, text, application

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And if I select option 2 then Teacher’s name, role and attendance will be asked, and this data will be saved in the AttendanceData file:

Text

Description automatically generated

When I select option 4 from main menu then two more options will be displayed on the screen as follows:

Text

Description automatically generated

If I select option 1 from these two options then the HR details will be displayed which contains the Full name, Role and Address of HR:

Text

Description automatically generated

If I select option 2 from the above two options then the Name, Role and Address will be asked for HR details and this data will be saved in the HRData file:

A screenshot of a computer

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If I want to exit, then I will select option 5:

Text

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