Keren Belay

Assignment 2

Robert Alexander

Pseudo Code
1. Ask the user for the following
    a. What is their name?
    b. What was the speed that they were driving?
    c. What was the speed limit that they were supposed to be driving?
    d. Were they speeding in a school zone?
    e. Were they speeding in a work zone?
2. Display "Department of Motor Vehicles Automated Traffic Enforcement"
3. Display the message including the name of the driver, the fine, the speed at which the driver drove, the speed limit, and whether or not it was in a school or work zone.
4. Display the ticket type
5. Display whether or not the individual must appear in court
6. Display the ticket number
7. Display the rest of the message

UML Diagram

Drivers Ticket	Ticket
Name Speed limit Speed School zone Work Zone Another ticket	Notice Court date Overlimit Work zone School zone

Learning Experience

       In this assignment I learned how to use getters and setters as well as create different classes while using private methods. I have honestly struggled with the whole thing. I did not know how to use the GUI it didn't work. I broke down multiple times.

       I have learned a lot about GUI's throughout this whole entire process of creating this project. I reviewed how to make if statements, loops, validate answers and use the scanner application. I was able to enforce speeding regulations which I thought was a cool project.

       In this project I struggled a lot with using the two different java files but I learned how to connect them to make them compile into one.

Name of Violator	Speed of violator	Speed limit	School Zone	Work Zone	Ticket Type	Fine	Ticket Number
Dad	50	23	y	n	Must appear	450.00	577881
Bobby	70	30	n	n	Must appear	600.00	5806535
Keren	53	35	y	n	Must appear	300.00	615434

Problems @ Javadoc Declaration Console ⊠   ⬜ ✕ ✕

<terminated> TicketDriver [Java Application] /Library/Java/JavaVirtualMachines/jdk-10.0.2.jdk/Contents/Home/bin/java (Oct 5, 2019, 11:12:29 PM)

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Ticket Manager


Enter the name of the violator:
dad
Enter the speed of the violator (>0):
50
Enter the speed limit (>0, <=80):
23
Was this in a school zone (Y/N):
y
Was this in a work zone(Y/N):
n
Department of Motor Vehicles
Automated Traffic Enforcement


Dear dad Please pay the following speeding fine of $450.0 to the DMV within 10 days of
receiving this notice to avoid a driver's license suspension. You are being fined for going  50 MPH in a 23 MPH zone.

Ticket Type: Must Appear

Ticket Number: 577881

Returned checks are subject to a returned check fee of $35.00

Sincerely
Keren Belay
Do you want another ticket? (Y/N):
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```
Ticket Manager


Enter the name of the violator:
bobby
Enter the speed of the violator (>0):
70
Enter the speed limit (>0, <=80):
30
Was this in a school zone (Y/N):
n
Was this in a work zone(Y/N):
n
Department of Motor Vehicles
Automated Traffic Enforcement


Dear bobby Please pay the following speeding fine of $600.0 to the DMV within 10 days of
receiving this notice to avoid a driver's license suspension. You are being fined for going  70 MPH in a 30 MPH zone.

Ticket Type: null

Ticket Number: 580635

Returned checks are subject to a returned check fee of $35.00

Sincerely
Keren Belay
Do you want another ticket? (Y/N):
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```
Ticket Manager


Enter the name of the violator:
Keren
Enter the speed of the violator (>0):
53
Enter the speed limit (>0, <=80):
35
Was this in a school zone (Y/N):
yes
Was this in a work zone(Y/N):
no
Department of Motor Vehicles
Automated Traffic Enforcement


Dear Keren Please pay the following speeding fine of $300.0 to the DMV within 10 days of
receiving this notice to avoid a driver's license suspension. You are being fined for going  53 MPH in a 35 MPH zone.

Ticket Type: Must Appear

Ticket Number: 615434

Returned checks are subject to a returned check fee of $35.00

Sincerely
Keren Belay
Do you want another ticket? (Y/N):
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