Task 1.3

Helping classmates report

Public posts and Comments in Microsoft Team's study group

Demonstrate an approach to design table for task 4.2

[NGO CONG THANH NGUYEN: Here is my diagram for 4.2, it may help you construct the tabl…](#)

posted in SIT232 Object Oriented Development 2020 T1 / Online Peer-to-Peer Study Group at Apr 23, 2020 11:28 PM

Demonstrate the outcome of task 3.2

Link to post:

[NGO CONG THANH NGUYEN: MEHUL NATARAJAN](#)
posted in SIT232 Object Oriented Development 2020 T1 / Online Peer-to-Peer Study Group at Apr 8, 2020 11:10 PM

AARON ALABA 4/5 5:15 PM Edited
Need help with 3.2P specifically the ReadUserOption
It says that i need to return a result of type MenuOption but I don't really understand how to do that.

"Create a new static ReadUserOption method that returns a result of type MenuOption"
"The ReadUserOption method must return a valid code that matches the enumeration."

My code currently looks like this:

```
static MenuOption ReadUserOption()      {
        try
        {
          int option;
          Console.WriteLine("Please select an option: ");
          do
          {
            Console.WriteLine("1: Withdraw");
            Console.WriteLine("2: Deposit");
            Console.WriteLine("3: Print");
            Console.WriteLine("4: Quit");
            option = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine();
          } while (option <= 0 || (option => 4));
          return (MenuOption)option - 1;
        }
        catch (FormatException)
        {
          Console.WriteLine("ERROR! INVALID INPUT!");
        }
      }
```

See less

NGO CONG THANH NGUYEN 4/5 6:52 PM   ♥ 1
make a variable with the type of int to capture input
make a loop to check if it is in range of 1-4
return that int but converted to MenuOption type
Example here

```C#
1   static MenuOption ReadUserInput()
2   {
3     int userInput;
4
5     //Loop to print the options
6     Console.ReadLine("Select one option");
7     do
8     {
9       //remember to convert to int
10      userInput = Convert.ToInt32(console.ReadLine());
11    } while(userInput <=0 || userinput >=4);
12
13    //return the userinput but convert it to MenuOption datatype
14    return (MenuOption)userInput;
15  }
```
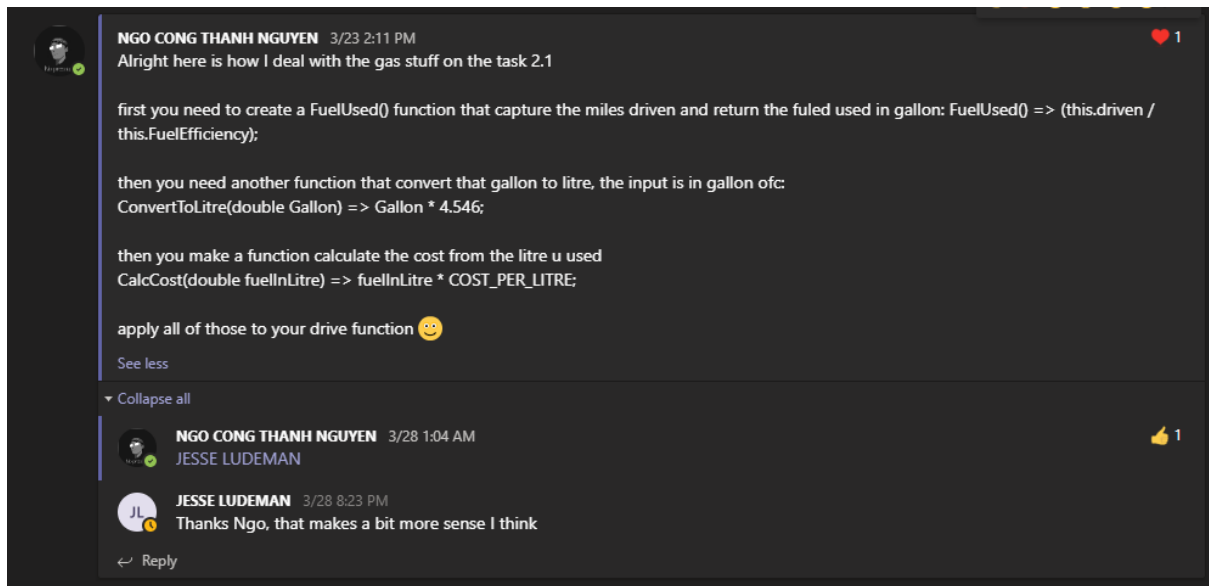
Collapse

modify the code to suit with your task

See less

and remember to handle exeptions

AARON ALABA: Need help with 3.2P specifically the ReadUserOption It says t...

posted in SIT232 Object Oriented Development 2020 T1 / Online Peer-to-Peer Study Group at Apr 5, 2020 5:15 PM

NGO CONG THANH NGUYEN 3/23 2:11 PM ♥ 1
Alright here is how I deal with the gas stuff on the task 2.1

first you need to create a FuelUsed() function that capture the miles driven and return the fuled used in gallon: FuelUsed() => (this.driven / this.FuelEfficiency);

then you need another function that convert that gallon to litre, the input is in gallon ofc:
ConvertToLitre(double Gallon) => Gallon * 4.546;

then you make a function calculate the cost from the litre u used
CalcCost(double fuelInLitre) => fuelInLitre * COST_PER_LITRE;

apply all of those to your drive function 🙂
See less

▾ Collapse all

NGO CONG THANH NGUYEN 3/28 1:04 AM 👍 1
JESSE LUDEMAN

JESSE LUDEMAN 3/28 8:23 PM
Thanks Ngo, that makes a bit more sense I think

↩ Reply

Demonstrate a solution for gas calculation function of task2.1

 NGO CONG THANH NGUYEN: Alright here is how I deal with the gas stuff on the task 2.1 …

posted in SIT232 Object Oriented Development 2020 T1 / Online Peer-to-Peer Study Group at Mar 23, 2020 2:11 PM

RON GLASS 3/23 1:50 PM
Hey NGO CONG THANH NGUYEN are you able to provide any guidance on an almost completed 2.1 Q4?

▼ Collapse all

> **NGO CONG THANH NGUYEN** 3/23 1:50 PM
> sure gimmi a sec
>
> **NGO CONG THANH NGUYEN** 3/23 1:57 PM
> so where are you stuck at?

↵ Reply

RON GLASS 3/23 1:57 PM
Cost of journey

↵ Reply

RON GLASS 3/23 1:59 PM
What I found really screwy was the 'calcCost' method that takes litres so I had..
  public void addFuel(double litres)
   {
    this.fuelLevel += litres;
   calcCost(litres);
   }

See less

> **NGO CONG THANH NGUYEN** 3/23 2:00 PM
> that's why it ask you to make a function that convert from litre to gallon

↵ Reply

RON GLASS 3/23 2:01 PM
which I've done

↵ Reply

**RON GLASS** 3/23 2:01 PM
standby..

↵ Reply

RON GLASS 3/23 2:00 PM
but it returns nothing (obviously) and say a public double calcCost won't (of-course) accept a variable litres

3 replies from you

↵ Reply

RON GLASS 3/23 2:03 PM
standby ... 🙂

> **NGO CONG THANH NGUYEN** 3/23 2:03 PM
> wait a sec im writing

↵ Reply

RON GLASS 3/23 2:09 PM
I also had this calcCost
  public void calcCost(double litres)
   {
    double cost = litres * FUEL_COST;

See more

▼ Collapse all

> **NGO CONG THANH NGUYEN** 3/23 2:15 PM
> this one return a double
>
> yeah return that "cost"

↵ Reply

RON GLASS 3/23 2:11 PM
So my 'drive' so far looks like:
  public void drive(double miles)
   {
    setTotalMiles(miles);
    double fuelUsed = miles / this.fuelEff;

See more

▼ Collapse all

> **NGO CONG THANH NGUYEN** 3/23 2:13 PM
> this.miles / this.fuelEff
>
> the convert to litre should return in another variable: litreUsed = convertToLitre(fuelUsed)
>
> totalCost = calcCost(<put the litre in here>)
> then write "totalCost to console"

↵ Reply

RON GLASS 3/23 2:21 PM
At the start of the question is: "total miles driven with an initial value of 0". I took this to mean total miles on the car ...it's not for a journey is it? hmm. or is it? If it is, then (this.driven / this.FuelEfficiency); would sense..

▼ Collapse all

> **NGO CONG THANH NGUYEN** 3/23 2:26 PM
> it is a journey, more like u buy a car and want to go somewhere right after that
>
> the initial value should be 0 because u just bought a car
>
> after the journey the car calculate the mile u have driven and that's "setTotalMiles(miles)"

↵ Reply

RON GLASS 3/23 2:28 PM
there's a method to update miles which I had this.totalMiles += miles; (I used totalMiles insteat of

↵ Reply

RON GLASS 3/23 2:28 PM
driven

12 replies from you and RON

↵ Reply

[RON GLASS: Hey NGO CONG THANH NGUYEN are you able to provide any guidance on an almos…](#)

posted in SIT232 Object Oriented Development 2020 T1 / Online Peer-to-Peer Study Group at Mar 23, 2020 1:50 PM

Private Message

Minh Anh Phan

MINH ANH PHAN 4/23 12:15 AM
Hi Thanh, I'm having trouble with task 3.2P. Could you please help me if you have time? I don't know how to pass the arguments from the Account class to the BankSystem class. Thank you Thanh. Just consider if you have time, otherwise ignore this 😅

4/23 12:16 AM
Ah i see

you want to use an argument from a class

if that so, you need to remember that classes are just blueprint

and blueprints are used to make an object

first you need to create an object from that class:

```csharp
Account dummyAccount = new Account ("Dummy Name", "100");
```

now that dummyAccount is an object, has all the things in account class

MINH ANH PHAN 4/23 12:22 AM
For example:
In the BankSystem class, I have a DoWithdraw(Account account)
{}
In the Account class, I have
Withdraw(decimal amount)
{}

I don't know how to connect them together 😢

4/23 12:24 AM
that DoWithdraw is a function in BankSystem class right?

MINH ANH PHAN 4/23 12:24 AM
Yep

4/23 12:25 AM
okay, so first you ask for amount to withdraw

then you pass that parameter to object

that thing (Account account) there means that you have an object called account

so

```csharp
Console.Writeline("Amount to withdraw?");
decimal amount = Convert.ToDec(Console.Readline);
account.Withdraw(amount);
```

that's the concept

He got stuck in passing arguments between classes.

Nathan William John

NATHAN WILLIAM JOHNS 4/3 12:32 PM
Hello friend, I see you've been helping some students with any questions they have about the tasks in SIT232.

For task 3.2, it says "Note that in DoDeposit / DoWithdraw you may need to use a decimal local variable to store the amount to deposit or withdraw, before you pass it to the Account object to process. Use the Boolean value returned by the Withdraw or Deposit method to let the user know if the call was successful. "

I'm not sure how I would pass the local variable (that stores the amount to deposit or withdraw) to the account object?

Any suggestions or advice would be really appreciated.

4/3 12:35 PM
you change the DoDeposit to bool type

also the Withdraw

if the amount of deposit is valid (which is not negative) then return true, else false

Oh i mean change the deposit to bool, not DoDeposit

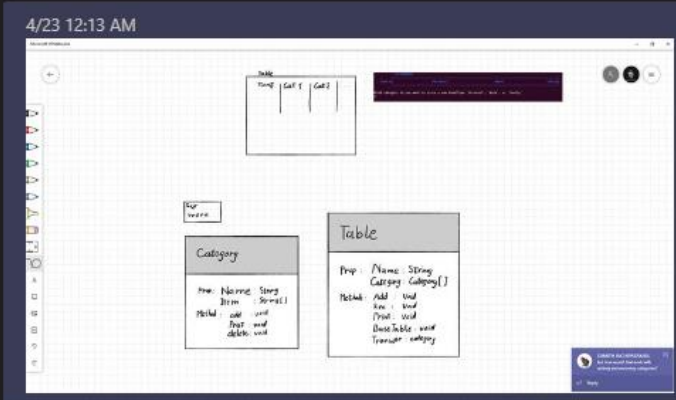**NATHAN WILLIAM JOHNS** 4/3 12:37 PM
Oh ok I see now

Sumith Inchiparambil

quick question, how did you do categories?

4/23 12:12 AM
I made an object called category

SUMITH INCHIPARAMBIL 4/23 12:12 AM
im not sure if im doing it right, i currently just have an array of strings with category names

but how would that work with adding and removing categories?

4/23 12:13 AM

this may help

that 2 squares over there are objects

but you need one more, it is called task

so yeah, table is a list of category

and category is a list of tasks

SUMITH INCHIPARAMBIL 4/23 12:15 AM
interesting, so category is a class in itself

4/23 12:15 AM
yep

Discussion about constructing table

SUMITH INCHIPARAMBIL 4/23 7:21 PM
if you ever need the "helped someone out" task, you can refer me and ill be happy to spot you

4/23 7:21 PM
oh you completed the task?

I mean that 4.2

SUMITH INCHIPARAMBIL 4/23 7:22 PM
almost, just gotta do 1 more method, inputting dates and thats it

after that its commenting, proofreading and submitting

cheers for the help fam, much obliged

Others

I got some Vietnamese friends having this unit as well. However, we were discussing tasks in out language, so that I won't capture our discussions for evidences for this task.

Before the epidemic, me and some students have made a slack workspace to help each other as well, the link can be found in the discussion forum of the unit. We mainly discuss about problems and our approach to solve them.