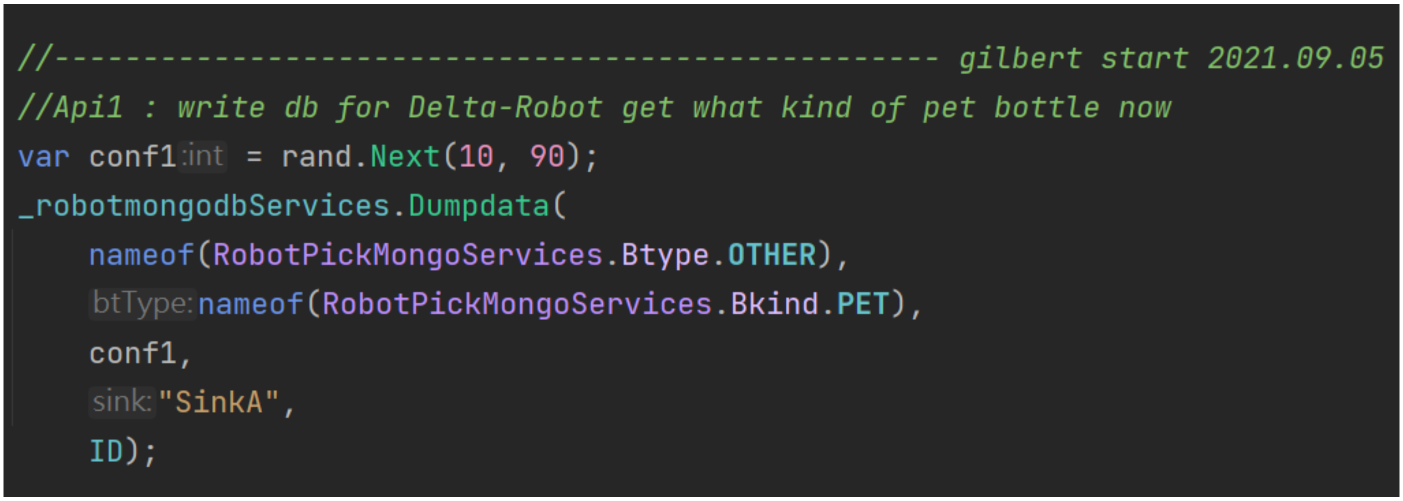
首頁_細部說明(分時日)

DB Table_1 Write

API_1-1使用說明!

機械所的手臂有真的抓到寶特瓶,呼叫對應API_1(Table一, RobotPickMongoService.cs)把抓取寶特瓶資訊寫入DB:

https://github.com/gilbert-sun/Recycle_1.7/blob/master/ViewModels/RobotViewModel.cs (https://github.com/gilbert-sun/Recycle_1.7/blob/master/ViewModels/RobotViewModel.cs)



```
//------------------------------------------------- gilbert start 2021.09.05
//Api1 : write db for Delta-Robot get what kind of pet bottle now
var conf1:int = rand.Next(10, 90);
_robotmongodbServices.Dumpdata(
    nameof(RobotPickMongoServices.Btype.OTHER),
    btType:nameof(RobotPickMongoServices.Bkind.PET),
    conf1,
    sink:"SinkA",
    ID);
```

呼叫API_1:Dumpdata(p1,p2,p3,p4,p5)抓取紀錄

*.p1:七類([0:P],[1:O],[2:S],[3:C],[4:Ot],[5:Ch],[6:T])

https://gilbert-sun.github.io/api/Recycle.Services.RobotPickMongoServices.Btype.html (https://gilbert-sun.github.io/api/Recycle.Services.RobotPickMongoServices.Btype.html)

*.p2:六類([0:PET],[1:PS],[2:PP],...)

https://gilbert-sun.github.io/api/Recycle.Services.RobotPickMongoServices.Bkind.html (https://gilbert-sun.github.io/api/Recycle.Services.RobotPickMongoServices.Bkind.html)

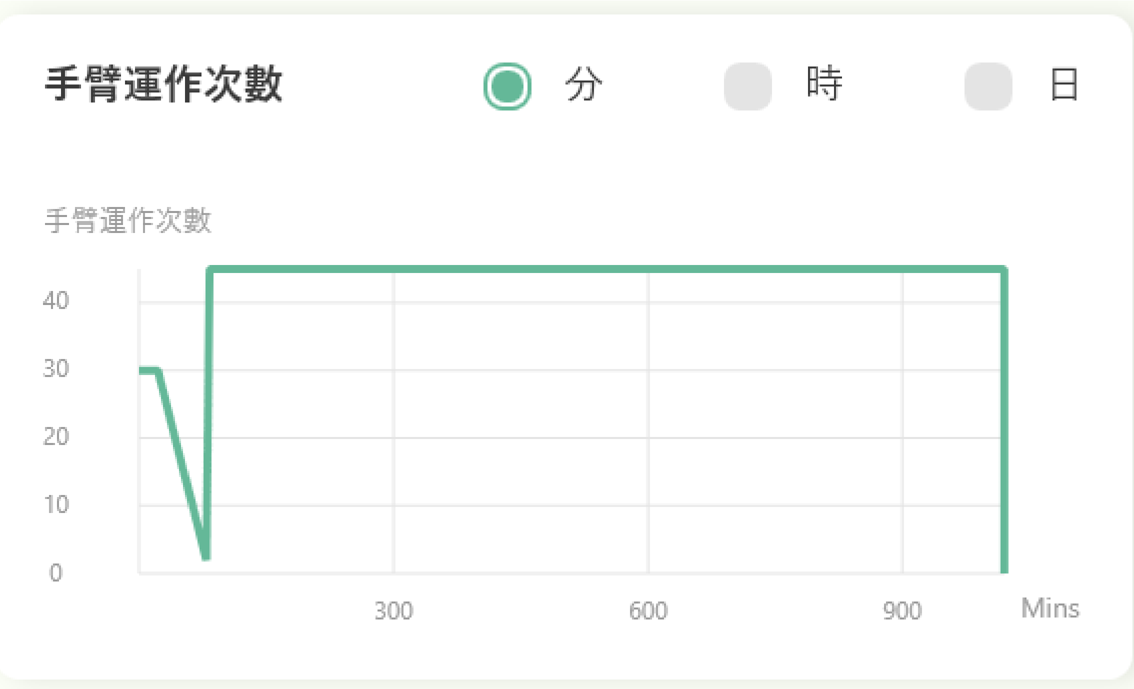
*.p3:conf1信心值:yolov3/v4得到的信心值

*.p4:sinkA/B/C/D 儲存槽：A/B/C/D選擇

*.p5:ID:代表機械手臂ID

DB Table_1 Read

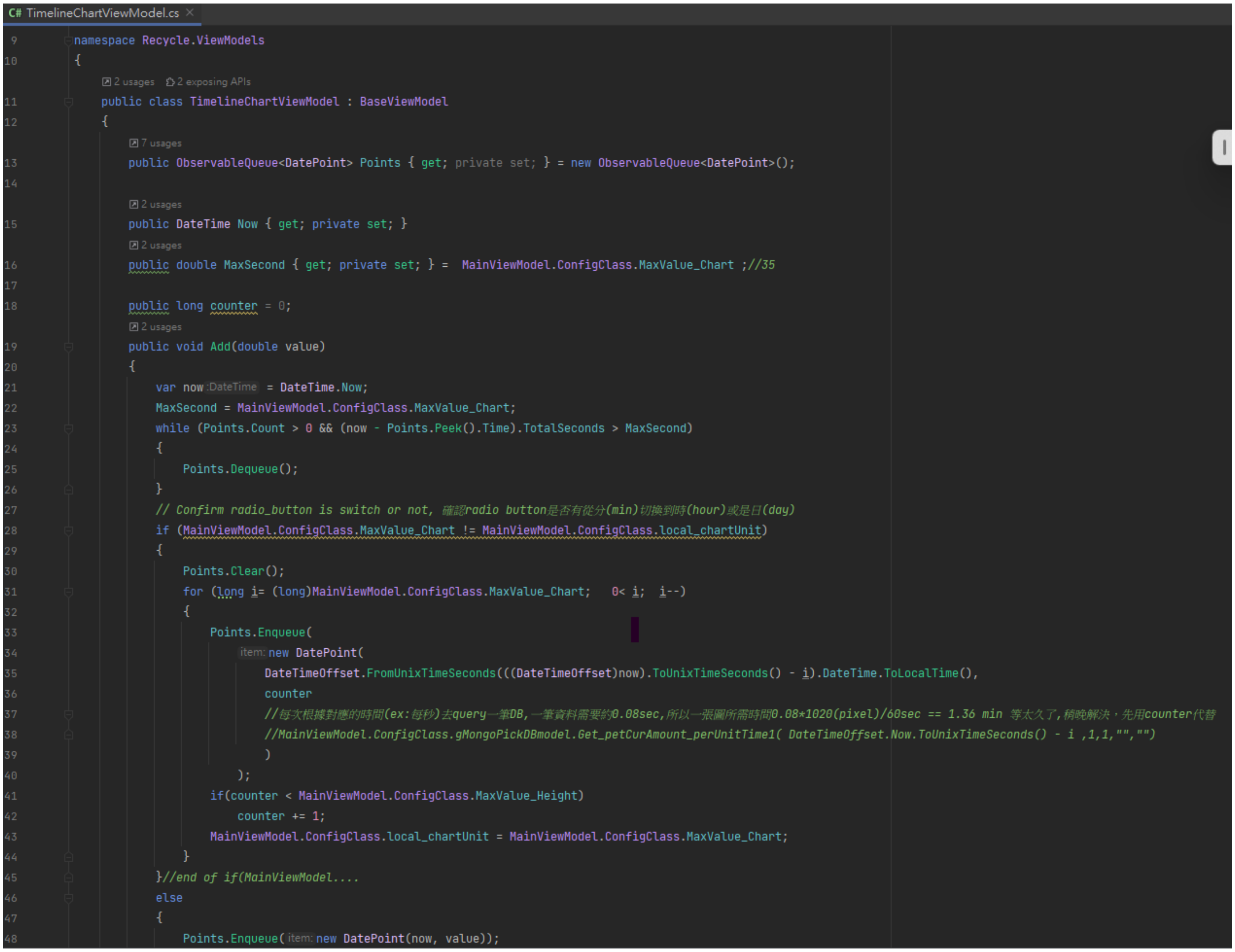
讀回 Table_1的資料, 對應Cart需讀取 (讀取對應Table一的分時日的radion button)



手臂運作次數

● 分 ○ 時 ○ 日

https://github.com/gilbert-sun/Recycle_1.7/blob/master/ViewModels/TimeLineChartViewModel.cs (https://github.com/gilbert-sun/Recycle_1.7/blob/master/ViewModels/TimeLineChartViewModel.cs)



```csharp
namespace Recycle.ViewModels
{
    public class TimelineChartViewModel : BaseViewModel
    {
        public ObservableQueue<DatePoint> Points { get; private set; } = new ObservableQueue<DatePoint>();

        public DateTime Now { get; private set; }
        public double MaxSecond { get; private set; } =  MainViewModel.ConfigClass.MaxValue_Chart ;//35

        public long counter = 0;
        public void Add(double value)
        {
            var now = DateTime.Now;
            MaxSecond = MainViewModel.ConfigClass.MaxValue_Chart;
            while (Points.Count > 0 && (now - Points.Peek().Time).TotalSeconds > MaxSecond)
            {
                Points.Dequeue();
            }
            // Confirm radio_button is switch or not, 確認radio button是否有從分(min)切換到時(hour)或是日(day)
            if (MainViewModel.ConfigClass.MaxValue_Chart != MainViewModel.ConfigClass.local_chartUnit)
            {
                Points.Clear();
                for (long i= (long)MainViewModel.ConfigClass.MaxValue_Chart;   0< i;  i--)
                {
                    Points.Enqueue(
                        new DatePoint(
                            DateTimeOffset.FromUnixTimeSeconds(((DateTimeOffset)now).ToUnixTimeSeconds() - i).DateTime.ToLocalTime(),
                            counter
                            //每次根據對應的時間(ex:每秒)去query一筆DB,一筆資料需要約0.08sec,所以一張圖所需時間0.08*1020(pixel)/60sec == 1.36 min 等太久了,稍晚解決，先用counter代替
                            //MainViewModel.ConfigClass.gMongoPickDBmodel.Get_petCurAmount_perUnitTime1( DateTimeOffset.Now.ToUnixTimeSeconds() - i ,1,1,"","")
                            )
                        );
                    if(counter < MainViewModel.ConfigClass.MaxValue_Height)
                        counter += 1;
                    MainViewModel.ConfigClass.local_chartUnit = MainViewModel.ConfigClass.MaxValue_Chart;
                }
            }//end of if(MainViewModel....
            else
            {
                Points.Enqueue( new DatePoint(now, value));
```