WMS 接口

（1）更新库存信息

a、api 接口

URL	http://106.14.196.176:8082/api/storage/UpdateBinInfo
Method	http post json
Return	正确：{ Result" : "OK", "Code": ErrorCode.OK } 错误：{ Result" : "NA", "Code": ErrorCode.WrongParameter }

b、示例代码

class:

```
public class ViewStorageBin
    {
        public string Operation { get; set; }//"add"-入库增加数量, "minus"-出库减少数量

        public int ID { get; set; }

        public int PlateID { get; set; }//料盘号，暂定与库位号一致

        public string Type { get; set; }//"bottle", "lid"
        public string Color { get; set; }//"light", "dark"
        public int Number { get; set; }
    }
public class ResultData
    {
        public string Result { get; set; }
        public ErrorCode Code { get; set; }
    }
public enum ErrorCode
    {
        OK = 0,
        UserNotLogined,
        WrongParameter,
        Exception
    }
```

目前数据库存储两个库位信息，测试更新这两个库位的数量，如图

	ID	PlateID	Type	Color	Number
1	1	1	bottle	light	10
2	2	2	lid	dark	6

sample code:

```csharp
var url = "http://106.14.196.176:8082/api/storage/UpdateBinInfo";
HttpWebRequest httpWebRequest = (HttpWebRequest)WebRequest.Create(url);
httpWebRequest.ContentType = "application/json";
httpWebRequest.Method = "POST";
httpWebRequest.Timeout = 1000000;

var data = new ViewStorageBin() { Operation = "minus", ID = 2,PlateID = 2 ，Color = "dark", Type = "lid",

Number = 3 };//将库位2的零件数量减3个

string jsonData = JsonConvert.SerializeObject(data);
byte[] buff = Encoding.UTF8.GetBytes(jsonData);
httpWebRequest.ContentLength = buff.Length;
Stream httpRequestStream = httpWebRequest.GetRequestStream();
httpRequestStream.Write(buff, 0, buff.Length);
httpRequestStream.Close();
HttpWebResponse httpWebResponse = (HttpWebResponse)httpWebRequest.GetResponse();
StreamReader streamReader = new StreamReader(httpWebResponse.GetResponseStream());
string responseContent = streamReader.ReadToEnd();
var result1 = JsonConvert.DeserializeObject<ResultData>(responseContent);
Console.WriteLine("minus state : " + result1.result);
streamReader.Close();
httpWebResponse.Close();
httpWebRequest.Abort();

///添加引用

using Newtonsoft.Json;
```

(2)设备状态

1) 堆垛机状态

a、api 接口

URL	http://106.14.196.176:8082/api/storage/UpdateStackerState
Method	http post json
Return	正确：{ Result" : "OK", "Code": ErrorCode.OK } 错误：{ Result" : "NA", "Code": ErrorCode.WrongParameter }

b、示例代码

class:

```csharp
public class ViewStackerState
    {
```

```csharp
        public DateTime PickTime { get; set; }
        public string StackerPositon { get; set; }
        public double StackerWalkingCurrent { get; set; }
        public double StackerWalkingSpeed { get; set; }
        public double StackerLiftingCurrent { get; set; }
        public double StackerLiftingSpeed { get; set; }
        public double StackerStackingCurrent { get; set; }
        public double StackerStackingSpeed { get; set; }
    }
public class ResultData
    {
        public string Result { get; set; }
        public ErrorCode Code { get; set; }
    }
public enum ErrorCode
    {
        OK = 0,
        UserNotLogined,
        WrongParameter,
        Exception
    }
```

sample code: 参考（1）更新库存信息

2) 堆垛机报警信息

a、api 接口

URL	http://106.14.196.176:8082/api/storage/UpdateStackerAlarmInfo
Method	http post json
Return	正确：{ Result" : "OK", "Code": ErrorCode.OK } 错误：{ Result" : "NA", "Code": ErrorCode.WrongParameter }

b、示例代码

class:
```csharp
public class ViewStackerAlarmInfo
    {
        public DateTime PickTime { get; set; }
        public int AlarmType { get; set; }
        public string AlarmInfo { get; set; }
    }
public class ResultData
    {
```

```csharp
        public string Result { get; set; }
        public ErrorCode Code { get; set; }
    }
public enum ErrorCode
    {
        OK = 0,
        UserNotLogined,
        WrongParameter,
        Exception
    }
```

sample code: 参考（1）更新库存信息

3) AGV状态

a、api 接口

URL	http://106.14.196.176:8082/api/storage/UpdateAGVState
Method	http　post　json
Return	正确：{ Result" : "OK", "Code": ErrorCode.OK } 错误：{ Result" : "NA", "Code": ErrorCode.WrongParameter }

b、示例代码

class:
```csharp
public class ViewAGVState
    {
        public DateTime PickTime { get; set; }
        public float AGVPosition { get; set; }
        public float AGVPower { get; set; }
    }
public class ResultData
    {
        public string Result { get; set; }
        public ErrorCode Code { get; set; }
    }
public enum ErrorCode
    {
        OK = 0,
        UserNotLogined,
        WrongParameter,
        Exception
    }
```

sample code: 参考（1）更新库存信息

4) AGV报警信息

a、api 接口

URL	http://106.14.196.176:8082/api/storage/UpdateAGVAlarmInfo
Method	http　post　json
Return	正确：{ Result" : "OK", "Code": ErrorCode.OK } 错误：{ Result" : "NA", "Code": ErrorCode.WrongParameter }

b、示例代码

class:

```
public class ViewAGVAlarmInfo
    {
        public DateTime PickTime { get; set; }
        public int AlarmType { get; set; }
        public string AlarmInfo { get; set; }
    }
public class ResultData
    {
        public string Result { get; set; }
        public ErrorCode Code { get; set; }
    }
public enum ErrorCode
    {
        OK = 0,
        UserNotLogined,
        WrongParameter,
        Exception
    }
```

　　　sample code: 参考（1）更新库存信息