1. Equipment.Data.Infrastructure

* **Services**

**Get**

**EquipmentService** (This part fetches the data from database model < **Equipment.Get.Core** Equipment.cs EquipmentView > and store procedure)

public class EquipmentService : IEquipmentService

{

private readonly string strConnectionString ;

public EquipmentService()

{

strConnectionString = "server = 192.168.16.138\\SQLSERVER2019; Database =

EquipmentDB; User Id = sa; Password = 123$abc;";

}

public async Task<IEnumerable<EquipmentView>> GetAllEquipmentAsync()

{

using (IDbConnection con = new SqlConnection(strConnectionString))

{

if (con.State == ConnectionState.Closed)

con.Open();

var equipments = await con.QueryAsync<EquipmentView>("sp\_Get\_All\_Equipments");

return equipments;

}

}

* **EquipmentDbContext**

public EquipmentDbContext(DbContextOptions<EquipmentDbContext> options) : base(options)

{

}

public DbSet<Tables.Equipment> Equipments { get; set; }

public DbSet<Tables.AppUser> AppUsers { get; set; }

etc

}

2. **Equipment.Get.Core**

* Helpers

Out

Equipment.cs

namespace Equipment.Get.Core.Helpers.Out

// this class view is generated for store procedures

public class EquipmentView

{

public int EquipmentID { get; set; }

public string EquipmentCode { get; set; }

public string CategoryName { get; set; }

public string SubCategoryName { get; set; }

etc.

}

* Interfaces

public interface IEquipmentService

{

Task<IEnumerable<EquipmentView>> GetAllEquipmentAsync();

// This part <EquipmentView>> is coming from Equipment.Get.Core.Helpers.Out

//Equipment.cs Class

}

**3. GetMicroServices**

**Controllers**

**EquipmentController**

public class EquipmentController : ControllerBase

{

IEquipmentService \_equipmentService;

public EquipmentController(IEquipmentService equipmentService)

{

\_equipmentService = equipmentService;

}

[HttpGet]

public async Task<IEnumerable<EquipmentView>> GetEquipmentList()

{

return await \_equipmentService.GetAllEquipmentAsync();

}

}