Technical Manual

IT ASSET WEB APPLICATION

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1. GOAL

The goal of this project is to deliver the test project to Tawazea IT Team.

2. PURPOSE

The purpose of this project is to devolve web application for IT Asset using web technology.

3. OUTCOME

The expected outcome of this project is to deliver fully functional running application.
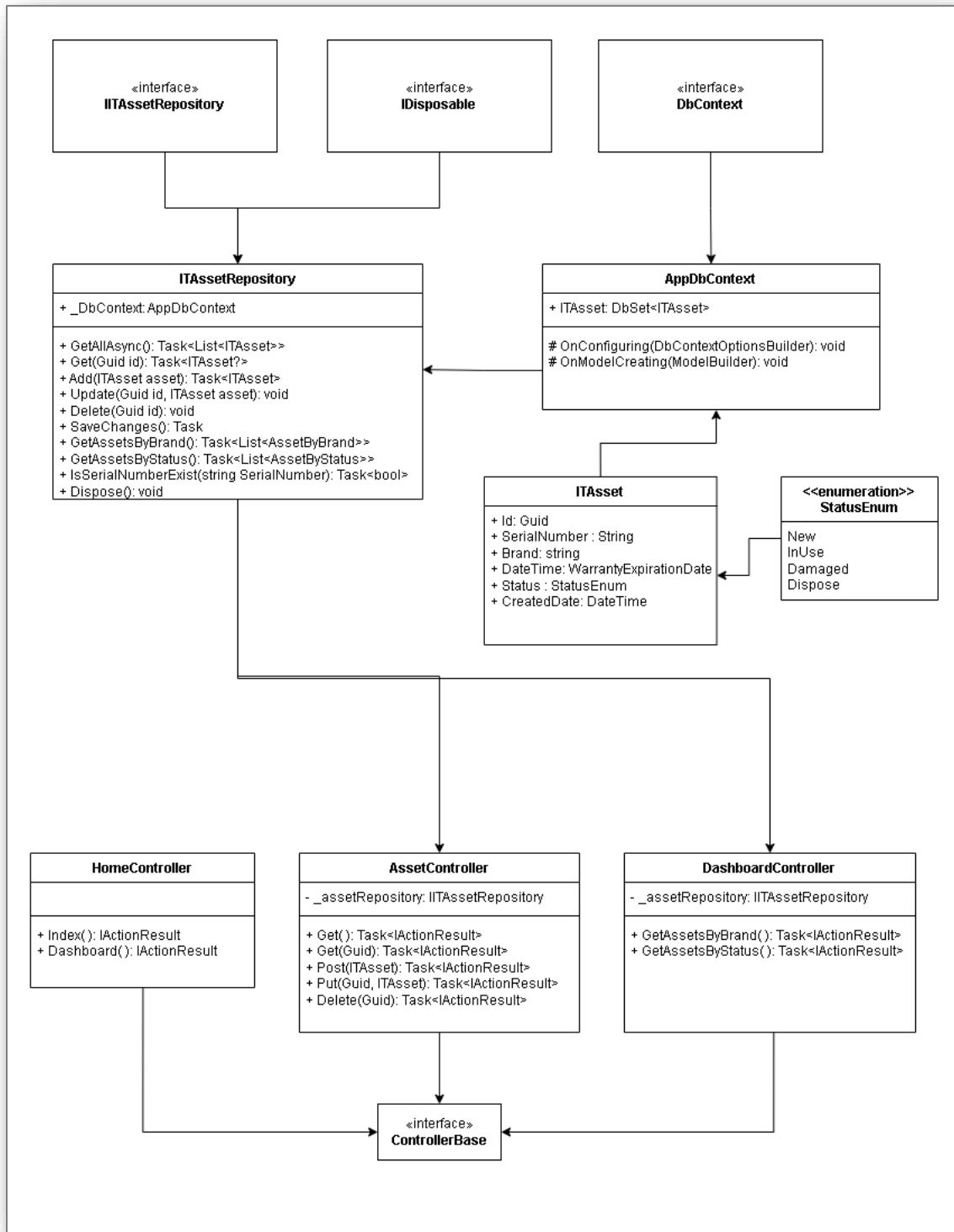
4. TOOLS

Database: MS SQL 2019

Backend: ASP.NET Core 8, GIT source control

Frontend: Jquery, Javascript, bootstrap, AG-Grid, Highcharts, HTML , CSS

5. DATABASE DIAGRAM

6. UML DIAGRAM

7. API ENDPOINTS

7.1 ASSET CONTROLLER

7.1.1   Get all Assets.

Request URL: api/asset/
Request Method: "GET"
Request Body: NA
Response: List<ITAsset>
Note: maximum number of assets 500 pre one request.

7.1.2   Get Asset by Id

Request URL: api/asset/{Id:Guid}
Request Method: "GET"
Request Body: NA
Response: ITAsset

7.1.3   Add Asset

Request URL: api/asset/
Request Method: "Post"
Request Body: ITAsset
Response: ITAsset

7.1.4   Delete Asset

Request URL: api/asset/{Id:Guid}
Request Method: "DELETE"
Request Body: NA
Response: NA

7.1.5   Edit Asset

Request URL: api/asset/{Id:Guid}
Request Method: "PUT"
Request Body: ITAsset
Response: ITAsset

7.2 DASHBOARD CONTROLLER

7.2.1 Get Assets by Brand

Request URL: api/Dashboard
Request Method: "GET"
Request Body: NA
Response: List<AssetByBrand>
Note: maximum number of assets 500 pre one request.

7.2.2 Get Assets by Status

Request URL: api/Dashboard
Request Method: "GET"
Request Body: NA
Response: List<AssetByStatus>
Note: maximum number of assets 500 pre one request.

8 UNIT TEST

Unit Test of two modules (Unit Test Asset Controller, Unit Test Dashboard Controller)