Labfarm API endpoint documentation

Base url: http://labfarmwebapp.azurewebsites.net/
Route: api/v1/
Header: key: 'Content-Type' value: 'application/json'

HTTP method + endpoint	Return type / Body type
GET /labfarm?authId=name	List<Labfarm>
GET /labfarm/id	Labfarm
GET /labfarm/id/plants	List<Plant> (including pictures)
GET /labfarm/id/plants/name	Plant (including pictures)
GET /labfarm/id/sensors	List<Sensor> (including sensor data)
GET /labfarm/id/sensors/name	Sensor (including sensor data)
GET /labfarm/id/sensors/values?count=5	List<LastSensorValues>
GET /labfarm/id/plants/pictures?count=4	List<LastPictures>
GET /sensor/id/values?count=6	LastSensorValues
POST /labfarm/id/plants	Plant
POST /labfarm/id/plants/name/pictures	Picture
POST /labfarm/id/sensors	Sensor
POST /labfarm/id/sensors/name/data	SensorValue
HTTP method + endpoint (development)	Return type / Body Type
GET /labfarm	List<Labfarm>
GET /labfarm/id	Labfarm
PUT /labfarm/id	Labfarm

POST /labfarm	Labfarm
DELETE /labfarm/id	boolean
GET /plant	List<Plant>
GET /plant/id	Plant
PUT /plant/id	Plant
POST /plant	Plant
DELETE /plant/id	boolean
GET /sensor	List<Sensor>
GET /sensor/id	Sensor
PUT /sensor/id	Sensor
POST /sensor	Sensor
DELETE /sensor/id	boolean
GET /picture	List<Picture>
GET /picture/id	Picture
PUT /picture/id	Picture
POST /picture	Picture
DELETE /picture/id	boolean
GET /sensordata	List<SensorValue>
GET /sensordata/id	SensorValue
PUT /sensordata/id	SensorValue
POST /sensordata	SensorValue
DELETE /sensordata/id	boolean

Models:

```
Labfarm {
    id: number;
    name: string;
    authId: string;
    plantSpecies: string;
    dustLevelHigh: number;
    dustLevelLow: number;
    lightLevelHigh: number;
    lightLevelLow: number;
    temperatureLevelHigh: number;
    temperatureLevelLow: number;
    ConductivityLevelHigh: number;
    ConductivityLevelLow: number;
    minimumReservoirLevel: number;
    maximumReservoirLevel: number;
    autoMode: boolean;
    plants: Plant[];
    sensors: Sensor[];
}

Plant {
    id: number;
    name: string;
    labfarmId: number;
    column: number;
    row: number;
    pictures: Picture[];
}

Sensor {
    id: number;
    name: string;
    labFarmId: number;
    sensorTypeId: number;
    sensorType: SensorType;
    sensorValues: SensorValue[];
}

SensorType {
    id: number;
    name: string;
}
```

```
Picture {
    id: number;
    content: string;
    timeStamp: Date;
    plantId: number;
}

SensorValue {
    id: number;
    sensorValue: number;
    timeStamp: Date;
    sensorId: number;
}

LastSensorValues {
    sensorName: string;
    data: Values[];
}

Values {
    id: number;
    sensorValue: number;
    timeStamp: Date;
    sensorId: number;
}

LastPictures {
    plantName: string;
    pictures: Picture[];
}

Picture {
    id: number;
    content: string;
    timeStamp: Date;
    plantId: number;
}
```