Labfarm API endpoint documentation

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

Development endpoints

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| --- | --- |
| GET /labfarm  GET /labfarm/id  PUT /labfarm/id  POST /labfarm  DELETE /labfarm/id | interface Labfarm {  id: number;  name: string;  authId: string;  plantSpecies: string;  optimalAcidityLevelHigh: number;  optimalAcidityLevelLow: number;  optimalHumidityLevelHigh: number;  optimalHumidityLevelLow: number;  optimalLightLevelHigh: number;  optimalLightLevelLow: number;  optimalConductivityLevelHigh: number;  optimalConductivityLevelLow: number;  minimumReservoirLevel: number;  autoMode: boolean;  plants: Plant[];  sensors: Sensor[];  } |
| GET /plant  GET /plant/id  PUT /plant/id  POST /plant  DELETE /plant/id | interface Plant {  id: number;  name: string;  labfarmId: number;  column: number;  row: number;  pictures: Picture[];  } |
| GET /sensor  GET /sensor/id  PUT /sensor/id  POST /sensor  DELETE /sensor/id | interface Sensor {  id: number;  name: string;  labFarmId: number;  sensorTypeId: number;  sensorType: SensorType;  sensorValues: SensorValue[];  }  export interface SensorType {  id: number;  name: string;  } |
| GET /picture  GET /picture/id  PUT /picture/id  POST /picture  DELETE /picture/id | interface Picture {  id: number;  content: string;  timeStamp: Date;  plantId: number;  } |
| GET /sensordata  GET /sensordata/id  PUT /sensordata/id  POST /sensordata  DELETE /sensordata/id | interface SensorValue {  id: number;  sensorValue: number;  timeStamp: Date;  sensorId: number;  } |

Deployment endpoints

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| --- | --- |
| GET /labfarm?authId=name  GET /labfarm/id  GET /labfarm/id/plants  GET /labfarm/id/plants/name  GET /labfarm/id/sensors  GET /labfarm/id/sensors/name  GET /labfarm/id/sensors/values?count=5  GET /labfarm/id/plants/pictures?count=4  POST /labfarm/id/plants  POST /labfarm/id/plants/name/pictures  POST /labfarm/id/sensors  POST /labfarm/id/sensors/name/data | List<Labfarm>  Labfarm  List<Plant> (including pictures)  Plant (including pictures)  List<Sensor> (including sensor data)  Sensor (including sensor data)  List<LastSensorValues>  List<LastPictures>  Plant  Picture  Sensor  SensorValue |
| LastSensorValues:  interface LastSensorValues {  sensorName: string;  data: Values[];  }  interface Values {  id: number;  sensorValue: number;  timeStamp: Date;  sensorId: number;  } | LastPictures:  interface LastPictures {  plantName: string;  pictures: Picture[];  }  interface Picture {  id: number;  content: string;  timeStamp: Date;  plantId: number;  } |