API Documentation

1. Create Farmer

* API name: /api/createFarmer
* Method: POST
* Content-Type: application/json
* Sample payload object:

{

"name": "Postman Test",

"age" : 55,

"totalFieldArea": 10,

"crop" : "Banana”,

"gender": "Male",

"married": true,

"familyCount": 5,

"numberOfChildren": 2,

"photo": ""

}

* Validation: name, age, totalFieldArea, crop is required
* Response:
  + Success Message: Farmer saved successfully!
  + Error Message: If any of the above required fields are missing, API should return valid error messages as below:
    - Farmer validation failed: name: A farmer must have a name
    - Farmer validation failed: age: A farmer must have age
    - Farmer validation failed: totalFieldArea: A farmer must have a field
    - Farmer validation failed: crop: A field must have a crop

1. Get All Farmers

* API name: /api/getAllFarmers
* Method: GET
* Content-Type: application/json
* Response:
  + Success: All farmers data in response
  + Error Message: If no farmer data available API should return “No Farmer Available!”

1. Get Farmer Data

* API name: /api/getFarmer/:id
* Method: GET
* Content-Type: application/json
* Response:
  + Success: Returns farmer object based on ID provided
  + Error Message: "Farmer not found!"

1. Update Farmer

* API name: /api/ updateFarmer/:id
* Method: PATCH
* Content-Type: application/json
* Sample payload object:

{

"name": "Postman Test",

"age" : 55,

"totalFieldArea": 10,

"crop" : "Banana”,

"gender": "Male",

"married": true,

"familyCount": 5,

"numberOfChildren": 2,

"photo": ""

}

* Validation: name, age, totalFieldArea, crop is required
* Response:
  + Success Message: Farmer updated successfully!
  + Error Message: If any of the above required fields are missing, API should return valid error messages as below:
    - Farmer validation failed: name: A farmer must have a name
    - Farmer validation failed: age: A farmer must have age
    - Farmer validation failed: totalFieldArea: A farmer must have a field
    - Farmer validation failed: crop: A field must have a crop
    - If farmer id is incorrect - Farmer not found!

1. Delete Farmer

* API name: /api/deleteFarmer/:id
* Method: GET
* Content-Type: application/json
* Response:
  + Success: “Farmer deleted successfully!”
  + Error: If ID is incorrect - Farmer not found!