**Farm Collector API**

## **Create Farm**

Creates farm on which harvest and planting will be done.

Request Type: POST

URL: http://localhost:8090/farm/createFarm

|  |  |  |  |
| --- | --- | --- | --- |
| **Arguments** | **Type** | **Default** **Value** | **Description** |
| name | string |  | Name of the form which will be created |

OK is returned incase farm is created successfully.

## **Planted**

Creates plantation for the provided Farm. In the below URL provide farm name in tag {farmName}

Request Type: POST

URL: http://localhost:8090/farm/planted/{farmName}

Body:

{

"plantingArea" : "200",

"cropType" : "mango",

"expectedProduct" : "10",

"season" : "summer"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **Arguments** | **Type** | **Default** **Value** | **Description** |
| palnted | json |  | Details of all provided fields |

OK is returned incase farm is created successfully.

## **Harvested**

Creates harvested for the provided Farm. In the below URL provide farm name in tag {farmName}

Request Type: POST

URL: http://localhost:8090/farm/harvested/{farmName}

Body:

{

"actualAmount" : "200",

"cropType" : "mango",

"season" : "summer"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **Arguments** | **Type** | **Default** **Value** | **Description** |
| palnted | json |  | Details of all provided fields |

OK is returned incase farm is created successfully.

## **Report for Each Farm**

Generates report on based on farm. In the below URL provide farm name in tag {farmName} and tag {seasonName} with name of season which was provided in harvested and planted.

Request Type: GET

URL: [http://localhost:8090/farm/report/farm/{farmName}/season/{seasonName}](http://localhost:8090/farm/report/farm/%7bfarmName%7d/season/%7bseasonName%7d)

Response:

Report for Farm ID: 1 Season: summer

Crop: mango, Planted Area: 200.0, Expected Product: 10.0 tons

Actual Harvested Product: 200.0 tons

## **Report for Each Crop**

Generates report on based on crop. In the below URL provide replace tag {seasonName} with name of season which was provided in harvested and planted.

Request Type: GET

URL: [http://localhost:8090/farm/report/season/{seasonName}](http://localhost:8090/farm/report/season/%7bseasonName%7d)

Response:

Report for Season: summer

Farm ID: 1, Crop: mango, Planted Area: 200.0, Expected Product: 10.0 tons

Actual Harvested Product: 200.0 tons