

# Api Documentation

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## GET /stars

### Request

**Method:** *GET*

**URL:** */stars*

**Parameters:** *None*

**Request Body:** *None*

### Response

**Status Code:** *200 OK*

**Body:** *None*

**status\_code:** *The status code of the response.*

**stars\_array:** *An array of star objects.*

**message:** *A message indicating the result of the fetch.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 200,
  "stars_array": [
    {
      "id": 1,
      "name": "Star 1",
      "description": "Description of Star 1",
      "isOn": true,
      "isShine": true,
      "linkToImage": "/uploads/1.jpg",
      "createdAt": "2022-01-01T00:00:00.000Z",
      "updatedAt": "2022-01-01T00:00:00.000Z"
    },
    {
      "id": 2,
      "name": "Star 2",
      "description": "Description of Star 2",
      "isOn": false,
      "isShine": false,
      "linkToImage": "/uploads/2.jpg",
      "createdAt": "2022-01-01T00:00:00.000Z",
      "updatedAt": "2022-01-01T00:00:00.000Z"
    }
  ],
  "message": "All stars",
  "error": false
}
```

**Status Code:** *500 Internal Server Error*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 500,
  "message": "All stars",
  "error": true
}
```

---

## POST /stars

Request

**Method:** *POST*

**URL:** */stars*

**Parameters:** *None*

**Request Body:**



**property\_name:** name | **type:** string | **required:** true | **description:** the name of the star

**property\_name:** description | **type:** string | **required:** true | **description:** the description of the star.

**property\_name:** image | **type:** file | **required:** true | **description:** the image file of the star.



Response

**Status Code:** *201 Created*

**Body:** *None*

**status\_code:** *The status code of the response.*

**star:** *The newly created star object.*

**message:** *A message indicating the result of the fetch.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 201,
  "star": {
    "id": 1,
    "name": "Star 1",
    "description": "Description of Star 1",
    "isOn": false,
    "isShine": false,
    "linkToImage": "/uploads/1.jpg",
    "createdAt": "2022-01-01T00:00:00.000Z",
  }
}
```

```
    "updatedAt": "2022-01-01T00:00:00.000Z"
  },
  "message": "Star created",
  "error": false
}
```

**Status Code:** 400 Bad Request

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 400,
  "message": "Please provide name, description and image",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error creating star",
  "error": true
}
```

---

## PATCH /stars/:id

Request

**Method:** PATCH

**URL:** /stars/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the star to update



**Request Body:**



**property\_name:** name | **type:** string | **required:** false | **description:** the new name of the star.

**property\_name:** description | **type:** string | **required:** false | **description:** the new description of the star.

**property\_name:** isShine | **type:** boolean | **required:** false | **description:** whether the star should shine or not.

**property\_name:** isOn | **type:** boolean | **required:** false | **description:** whether the star should be turned on or off.

**property\_name:** image | **type:** file | **required:** false | **description:** the new image file of the star.



## Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**star:** The updated star object.

**message:** A message indicating the result of the fetch.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "star": {
    "id": 1,
    "name": "Star 1",
    "description": "Description of Star 1",
    "isOn": false,
    "isShine": false,
    "linkToImage": "/uploads/1.jpg",
    "createdAt": "2022-01-01T00:00:00.000Z",
    "updatedAt": "2022-01-02T00:00:00.000Z"
  },
  "message": "Star with ID 1 updated",
  "error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Star not found",
  "error": true
}
```

**Status Code:** 400 Bad Request

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 400,
  "message": "Bad request",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error updating star",
  "error": true
}
```

---

## GET /stars/:id

### Request

**Method:** GET

**URL:** /stars/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the star to retrieve



**Request Body:** None

### Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**star:** The star object with the specified ID.

**message:** A message indicating the result of the fetch.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "star": {
    "id": 1,
    "name": "Star 1",
    "description": "Description of Star 1",
    "isOn": false,
    "isShine": false,
    "linkToImage": "/uploads/1.jpg",
    "createdAt": "2022-01-01T00:00:00.000Z",
    "updatedAt": "2022-01-02T00:00:00.000Z"
  },
  "message": "Star with ID 1",
  "error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Star not found",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error getting star",
  "error": true
}
```

---

## DELETE /stars/:id

## Request

**Method:** *DELETE*

**URL:** */stars/:id*

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the star to retrieve



**Request Body:** *None*

## Response

**Status Code:** *200 OK*

**Body:** *None*

**status\_code:** *The status code of the response.*

**star:** *The star object with the specified ID.*

**message:** *A message indicating the result of the fetch.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 200,
  "message": "Star with ID 1 deleted",
  "error": false
}
```

**Status Code:** *404 Not Found*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 404,
  "message": "Star not found",
  "error": true
}
```

**Status Code:** *400 Bad Request*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 400,
  "message": "Bad request",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error deleting star",
  "error": true
}
```

---

## GET /constellations

### Request

**Method:** GET

**URL:** /constellations

**Parameters:** None

**Request Body:** None

### Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**constellations\_array:** The star object with the specified ID.

**message:** A message indicating the result of the fetch.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "constellations_array": [
    {
      "id": 1,
      "name": "Andromeda",
      "description": "The Chained Maiden",
      "stars": [
        {
```



```

        "id": 1,
        "name": "Star 1",
        "description": "Description of Star 1",
        "isOn": false,
        "isShine": false,
        "linkToImage": "/uploads/1.jpg",
        "createdAt": "2022-01-01T00:00:00.000Z",
        "updatedAt": "2022-01-02T00:00:00.000Z"
      },
    ],
    "createdAt": "2022-01-01T00:00:00.000Z",
    "updatedAt": "2022-01-02T00:00:00.000Z"
  },
  {
    "id": 2,
    "name": "Aquila",
    "description": "The Eagle",
    "stars": [
      {
        "id": 2,
        "name": "Star 2",
        "description": "Description of Star 2",
        "isOn": true,
        "isShine": true,
        "linkToImage": "/uploads/2.jpg",
        "createdAt": "2022-01-01T00:00:00.000Z",
        "updatedAt": "2022-01-02T00:00:00.000Z"
      }
    ],
    "createdAt": "2022-01-01T00:00:00.000Z",
    "updatedAt": "2022-01-02T00:00:00.000Z"
  }
],
"message": "All constellations",
"error": false
}

```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```

{
  "status_code": 500,
  "message": "All constellations",
  "error": true
}

```

## POST /constellations

### Request

**Method:** *POST*

**URL:** */constellations*

**Parameters:** *None*

**Request Body:**



**property\_name:** name | **type:** string | **required:** true | **description:** the name of the constellation.

**property\_name:** description | **type:** string | **required:** true | **description:** the description of the constellation.

**property\_name:** image | **type:** file | **required:** true | **description:** the image file of the constellation.



### Response

**Status Code:** *201 Created*

**Body:** *None*

**status\_code:** *The status code of the response.*

**constellation:** *The newly created constellation object.*

**message:** *A message indicating the result of the fetch.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 201,
  "constellation": {
    "id": 1,
    "name": "Orion",
    "description": "A prominent constellation located on the celestial
equator.",
    "isOn": false,
    "isShine": false,
    "linkToImage": "/uploads/orion.jpg",
    "createdAt": "2023-04-30T12:00:00.000Z",
    "updatedAt": "2023-04-30T12:00:00.000Z"
  },
  "message": "Constellation created",
  "error": false
}
```

**Status Code:** *400 Bad Request*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 400,
  "message": "Please provide name, description and image",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error creating constellation",
  "error": true
}
```

---

## PATCH /constellations/:id

Request

**Method:** PATCH

**URL:** /constellations/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the constellation to update



**Request Body:**



**property\_name:** name | **type:** string | **required:** false | **description:** the new name of the constellation.

**property\_name:** description | **type:** string | **required:** false | **description:** the new description of the constellation.

**property\_name:** isShine | **type:** boolean | **required:** false | **description:** whether the constellation should shine or not.

**property\_name:** isOn | **type:** boolean | **required:** false | **description:** whether the constellation should be turned on or off.

**property\_name:** image | **type:** file | **required:** false | **description:** the new image file of the constellation.



## Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**constellation:** The updated constellation object.

**message:** A message indicating the result of the fetch.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "constellation": {
    "id": 1,
    "name": "Orion",
    "description": "A prominent constellation located on the celestial
equator.",
    "isOn": true,
    "isShine": false,
    "linkToImage": "/uploads/orion.jpg",
    "createdAt": "2023-04-30T12:00:00.000Z",
    "updatedAt": "2023-04-30T13:00:00.000Z"
  },
  "message": "Constellation with ID 1 updated",
  "error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Constellation not found",
  "error": true
}
```

**Status Code:** 400 Bad Request

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 400,
```

```
{
  "message": "Bad request",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error updating constellation",
  "error": true
}
```

---

## GET /constellations/:id

Request

**Method:** GET

**URL:** /constellations/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the constellation to retrieve



**Request Body:** None

Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**constellation:** The constellation object with the specified ID.

**message:** A message indicating the result of the fetch.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "constellation": {
    "id": 1,
    "name": "Orion",
    "description": "A prominent constellation located on the celestial
```

```
equator.",
  "isOn": false,
  "isShine": false,
  "linkToImage": "/uploads/orion.jpg",
  "createdAt": "2023-04-30T12:00:00.000Z",
  "updatedAt": "2023-04-30T12:00:00.000Z"
},
"message": "Constellation with ID 1",
"error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Constellation not found",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error getting constellation",
  "error": true
}
```

---

## DELETE /constellations/:id

Request

**Method:** DELETE

**URL:** /constellations/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the constellation to

retrieve

**Request Body:** None

Response

**Status Code:** 200 OK**Body:** None**status\_code:** The status code of the response.**constellation:** The constellation object with the specified ID.**message:** A message indicating the result of the fetch.**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "message": "Constellation with ID 1 deleted",
  "error": false
}
```

**Status Code:** 404 Not Found**Body:** None**status\_code:** The status code of the response.**message:** A message indicating that an error occurred.**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Constellation not found",
  "error": true
}
```

**Status Code:** 400 Bad Request**Body:** None**status\_code:** The status code of the response.**message:** A message indicating that an error occurred.**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 400,
  "message": "Bad request",
  "error": true
}
```

**Status Code:** *500 Internal Server Error*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 500,
  "message": "Error deleting constellation",
  "error": true
}
```

---

## GET /star-constellation/star/:id

Request

**Method:** *GET*

**URL:** */star-constellation/star/:id*

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the star to retrieve



**Request Body:** *None*

Response

**Status Code:** *200 OK*

**Body:** *None*

**status\_code:** *The status code of the response.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 200,
  "data": {
    "id": 1,
    "name": "Sirius",
    "constellations": [
      {
        "id": 3,
        "name": "Canis Major",
        "createdAt": "2021-05-01T00:00:00.000Z",
        "updatedAt": "2021-05-01T00:00:00.000Z",
      }
    ],
    "createdAt": "2021-05-01T00:00:00.000Z",
  }
}
```



```
    "updatedAt": "2021-05-01T00:00:00.000Z"
  },
  "error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Star not found",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error getting star",
  "error": true
}
```

---

## GET /star-constellation/constellation/:id

Request

**Method:** GET

**URL:** /star-constellation/constellation/:id

**Parameters:**



**property\_name:** id | **type:** integer | **required:** true | **description:** the ID of the constellation to retrieve



**Request Body:** None

Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** The status code of the response.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 200,
  "data": {
    "id": 1,
    "name": "Sirius",
    "stars": [
      {
        "id": 3,
        "name": "Canis Major",
        "createdAt": "2021-05-01T00:00:00.000Z",
        "updatedAt": "2021-05-01T00:00:00.000Z",
      }
    ],
    "createdAt": "2021-05-01T00:00:00.000Z",
    "updatedAt": "2021-05-01T00:00:00.000Z"
  },
  "error": false
}
```

**Status Code:** 404 Not Found

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 404,
  "message": "Constellation not found",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error getting constellation",
}
```

```
{  "error": true}
```

## POST /star-constellation/star/:starId/constellation/:constellationId

### Request

**Method:** *GET*

**URL:** */star-constellation/star/:starId/constellation/:constellationId*

**Parameters:**



**property\_name:** starId | **type:** integer | **required:** true | **description:** the ID of the star to retrieve

**property\_name:** constellationId | **type:** integer | **required:** true | **description:** the ID of the constellation to retrieve



**Request Body:** *None*

### Response

**Status Code:** *200 OK*

**Body:** *None*

**status\_code:** *The status code of the response.*

**error:** *A boolean indicating whether an error occurred.*

```
{  "status_code": 200,  "message": "Association between Constellation Sirius and Star Canis Major added",  "error": false}
```

**Status Code:** *404 Not Found*

**Body:** *None*

**status\_code:** *The status code of the response.*

**error:** *A boolean indicating whether an error occurred.*

```
{  "status_code": 404,  "message": "Star or constellation not found",  "error": true}
```

**Status Code:** 409 Conflict

**Body:** None

**status\_code:** The status code of the response.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 409,
  "message": "Association between Constellation Sirius and Star Canis
Major already exists",
  "error": true
}
```

**Status Code:** 500 Internal Server Error

**Body:** None

**status\_code:** The status code of the response.

**message:** A message indicating that an error occurred.

**error:** A boolean indicating whether an error occurred.

```
{
  "status_code": 500,
  "message": "Error adding association between Star and Constellation",
  "error": true
}
```

---

## DELETE /star-constellation/star/:starId/constellation/:constellationId

Request

**Method:** DELETE

**URL:** /star-constellation/star/:starId/constellation/:constellationId

**Parameters:**



**property\_name:** starId | **type:** integer | **required:** true | **description:** the ID of the star to retrieve  
**property\_name:** constellationId | **type:** integer | **required:** true | **description:** the ID of the constellation to retrieve



**Request Body:** None

Response

**Status Code:** 200 OK

**Body:** None

**status\_code:** *The status code of the response.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 200,
  "message": "Association between Constellation Sirius and Star Canis
Major deleted",
  "error": false
}
```

**Status Code:** *404 Not Found*

**Body:** *None*

**status\_code:** *The status code of the response.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 404,
  "message": "Association between Constellation Sirius and Star Canis
Major not found",
  "error": true
}
```

**Status Code:** *500 Internal Server Error*

**Body:** *None*

**status\_code:** *The status code of the response.*

**message:** *A message indicating that an error occurred.*

**error:** *A boolean indicating whether an error occurred.*

```
{
  "status_code": 500,
  "message": "Error deleting association between Star and
Constellation",
  "error": true
}
```