

Assignment 5: API Specifications

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Deployed URL: <https://kopatsis-cs-493-final.uw.r.appspot.com>

Data Model:

User:

Property	Data Type	Notes
id	Integer	Autogenerated by Datastore, identifying property
Subject	String	“sub” property of Auth0 JWT, used as identification on the Auth0 end Required, created automatically from login
Name	String	Name of user from Auth0 sign-in Required, created automatically from login

Balloon:

Property	Data Type	Notes
id	Integer	Autogenerated by Datastore, identifying property
Title	String	Defined in POST request for creation – Title of balloon Required
Size	Integer	Defined in POST request for creation – Size of balloon in inches Required
Price	Float	Defined in POST request for creation – Price of balloon in dollars Required
ManufacturerID	String	Automatically assigned by JWT – Subject property of user that creates this balloon Required, created automatically from POST
Collections	[] of {}	Generated upon request from API – Title, ID, and Self attributes of all collections this balloon is a part of, set as array of json attributes
self	String	URL to resource, defined by API and not stored directly within Datastore database

Collection:

Property	Data Type	Notes
id	Integer	Autogenerated by Datastore, identifying property
Title	String	Defined in POST request for creation – Title of collection Required
Description	String	Defined in POST request for creation – Short description of collection Required
Archived	Bool	Defined in POST request for creation – True or false representing whether collection is archived Required
Balloons	[] of {}	Generated upon request from API – Title, ID, and Self attributes of all balloons this collection contains, set as array of json attributes Stored in Datastore as an array of strings with each ID
self	String	URL to resource, defined by API and not stored directly within Datastore database

Relationships:

User.-> Balloon: 1:Many, User's Subject field is used as the ManufacturerID in Balloon upon POST, from provided JWT. Cannot be changed. Every Balloon has exactly 1 User and every user can have 0 or more Balloons.

Balloon <-> Collection: Many:Many, Every Collection can contain 0 or more Balloons and every Balloon can be in 0 or more Collections. Relationship stored on Datastore in Balloons attribute of Collection and for both Balloons and Collections, will be generated to the format from table above. Can be changed by adding or removing Balloons from Collections.

User Entity:

- Though Datastore ID is generated for each user, Subject is ultimately used as identifier, especially when using endpoints with JWT.
- Only the JWT needs to be provided to requests to endpoints requiring it, no ID is specifically required in request.
- Provided a request is made with a valid JWT, the JWT's "sub" property is used to identify the user making requests to an endpoint.

POST /balloons – Create a new Balloon

Request:

Path Parameters – None

Request Body – Required

Request Body Format – JSON

Bearer Token Requirement – Valid JWT

Request Attributes –

Property	Required	Description
title	Yes	Balloon's title (string)
size	Yes	Balloon's size (int)
price	Yes	Balloon's price (float)

Example:

```
{
  "title": "Balloon Number 1",
  "size": 12,
  "price": 4.99
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	201 Created	
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	400 Bad Request	Other error that doesn’t allow creation in datastore

Example Responses:

201 Created:

```
{
  "collections": [],
  "id": 5662792157757440,
  "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
}
```

```
    "price": 4.99,  
    "self": "https://kopatsis-cs-493-  
final.uw.r.appspot.com/balloons/5662792157757440",  
    "size": 12,  
    "title": "Balloon Number 1"  
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to put data into datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

PUT /balloons/:balloon_id – Edit all attributes for an existing balloon

Request:

Path Parameters –

Property	Required	Description
balloon_id	Yes	Balloon's id

Request Body – Required

Request Body Format – JSON

Bearer Token Requirement – Valid JWT

Request Attributes –

Property	Required	Description
title	Yes	Balloon's title (string)
size	Yes	Balloon's size (int)
price	Yes	Balloon's price (float)

Example:

```
{
  "title": "Balloon Number 1 Put",
  "size": 12,
  "price": 4.99
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing balloon
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT sub does not match balloon ManufacturerID
Failure	400 Bad Request	Other error that doesn’t allow editing in datastore

Example Responses:

200 OK:

```
{
  "collections": [],
  "id": 5662792157757440,
  "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
  "price": 4.99,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5662792157757440",
  "size": 12,
  "title": "Balloon Number 1 Put"
}
```

404 Not Found:

```
{
  "Error": "Balloon with parameter id does not exist"
}
```

406 Not Acceptable:

```
{
  "Error": "Not Acceptable MIME type for Accept"
}
```

401 Unauthorized:

```
{
  "Error": "No correctly formatted token request"
}
```

403 Forbidden:

```
{
  "Error": "Forbidden"
}
```

400 Bad Request:

```
{
  "Details": "Failed to put data into datastore",
  "Error": "Bad Request"
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

PATCH /balloons/:balloon_id – Edit any attribute(s) for an existing balloon

Request:

Path Parameters –

Property	Required	Description
balloon_id	Yes	Balloon's id

Request Body – Required

Request Body Format – JSON

Bearer Token Requirement – Valid JWT

Request Attributes –

Property	Required	Description
title	No	Balloon's title (string)
size	No	Balloon's size (int)
price	No	Balloon's price (float)

Example:

```
{
  "title": "Balloon Number 1 Patch",
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing balloon
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn't include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT sub does not match balloon ManufacturerID
Failure	400 Bad Request	Other error that doesn't allow editing in datastore

Example Responses:

200 OK:

```
{
  "collections": [],
}
```

```
{
  "id": 5662792157757440,
  "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
  "price": 4.99,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5662792157757440",
  "size": 12,
  "title": "Balloon Number 1 Patch"
}
```

404 Not Found:

```
{
  "Error": "Balloon with parameter id does not exist"
}
```

406 Not Acceptable:

```
{
  "Error": "Not Acceptable MIME type for Accept"
}
```

401 Unauthorized:

```
{
  "Error": "No correctly formatted token request"
}
```

403 Forbidden:

```
{
  "Error": "Forbidden"
}
```

400 Bad Request:

```
{
  "Details": "Failed to put data into datastore",
  "Error": "Bad Request"
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

GET /balloons/:balloon_id – Read an existing balloon

Request:

Path Parameters –

Property	Required	Description
balloon id	Yes	Balloon's id

Request Body – None

Bearer Token Requirement – Valid JWT

Response:

Response Body Format – JSON.

Response Statuses

Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing balloon
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT sub does not match balloon ManufacturerID
Failure	400 Bad Request	Other error that doesn’t allow working in datastore

Example Responses:

200 OK:

```
{
  "collections": [],
  "id": 5662792157757440,
  "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
  "price": 4.99,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5662792157757440",
  "size": 12,
  "title": "Balloon Number 1"
}
```

404 Not Found:

```
{
  "Error": "Balloon with parameter id does not exist"
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

403 Forbidden:

```
{  
  "Error": "Forbidden"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to get data from datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

GET /balloons – Read all existing balloons for a manufacturer/user

Request:

Path Parameters – None

Request Body – None

Bearer Token Requirement – Valid JWT

Response:

Response Body Format – JSON.

Response Statuses

Success	200 OK	Location Header contains URL of resource
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	400 Bad Request	Other error that doesn’t allow working in datastore

Example Responses:

Example Responses:

200 OK:

```
{
  "results": [
    {
      "collections": [],
      "id": 5662792157757440,
      "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
      "price": 4.99,
      "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5662792157757440",
      "size": 12,
      "title": "Balloon Number 1"
    },
    {
      "collections": [],
      "id": 5677459739508736,
      "manufacturerID": "auth0|6555a6cd6ac7eefb66a5bb82",
      "price": 4.99,
      "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5677459739508736",
      "size": 12,
      "title": "Balloon Number 2"
    }
  ]
}
```

```
}  
]  
}
```

[Note: if more than 5 balloons exist, only the first 5 will be displayed with the next batch available via “Next” attribute link for pagination]

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to get data from datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

DELETE /balloons/:balloon_id – Delete an existing balloon

NOTE: Deleting a balloon will automatically remove it from all collections it is in

Request:

Path Parameters –

Property	Required	Description
Balloon_id	Yes	Balloon's id

Request Body – None

Bearer Token Requirement – Valid JWT

Response:

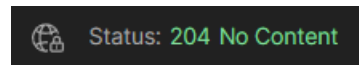
Response Body Format – None

Response Statuses

Outcome	Code	Notes
Success	204 No Content	
Failure	404 Not Found	Id attribute does not match an existing ballon
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT sub does not match balloon ManufacturerID
Failure	400 Bad Request	Other error that doesn't allow working in datastore

Example Responses:

204 No Content:



404 Not Found:

```
{
  "Error": "Balloon with parameter id does not exist"
}
```

401 Unauthorized:

```
{
  "Error": "No correctly formatted token request"
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

403 Forbidden:

```
{  
  "Error": "Forbidden"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to get data from datastore",  
  "Error": "Bad Request"  
}
```

POST /collections – Create a new Collection

Request:

Path Parameters – None

Request Body – Required

Request Body Format – JSON

Request Attributes –

Property	Required	Description
title	Yes	Collection's title (string)
description	Yes	Collection's description (string)
archived	Yes	Collection's archived status (bool)

Example:

```
{
  "title": "Balloon Collection 1",
  "description": "description of balloon collection here",
  "archived": false
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	201 Created	
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	400 Bad Request	Other error that doesn’t allow creation in datastore

Example Responses:

201 Created:

```
{
  "archived": false,
  "balloons": [],
  "description": "description of balloon collection here",
  "id": 5710150413320192,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5710150413320192",
}
```

```
{  
  "title": "Balloon Collection 1"  
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to put data into datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

PUT /collections/:collection_id – Edit all attributes for an existing collection

Request:

Path Parameters –

Property	Required	Description
collection id	Yes	Collection's id

Request Body – Required

Bearer Token Requirement – Valid JWT

Request Attributes –

Property	Required	Description
title	Yes	Collection's title (string)
description	Yes	Collection's description (string)
archived	Yes	Collection's archived status (bool)

Example:

```
{
  "title": "Balloon Collection 1 Put",
  "description": "description of balloon collection here",
  "archived": false
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing collection
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn't include JSON)
Failure	400 Bad Request	Other error that doesn't allow editing in datastore

Example Responses:

200 OK:

```
{
  "archived": false,
  "balloons": [],
}
```

```
{
  "description": "description of balloon collection here",
  "id": 5710150413320192,
  "self": "https://kopatsis-cs-493-
final.uw.r.appspot.com/collections/5710150413320192",
  "title": "Balloon Collection 1 Put"
}
```

404 Not Found:

```
{
  "Error": "Collection with parameter id does not exist"
}
```

406 Not Acceptable:

```
{
  "Error": "Not Acceptable MIME type for Accept"
}
```

400 Bad Request:

```
{
  "Details": "Failed to put data into datastore",
  "Error": "Bad Request"
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

PATCH /collections/:collection_id – Edit any attribute(s) for an existing collection

Request:

Path Parameters –

Property	Required	Description
collection_id	Yes	Collection's id

Request Body – Required

Bearer Token Requirement – Valid JWT

Request Attributes –

Property	Required	Description
title	No	Collection's title (string)
description	No	Collection's description (string)
archived	No	Collection's archived status (bool)

Example:

```
{
  "title": "Balloon Collection 1 Patch",
}
```

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing collection
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	400 Bad Request	Other error that doesn’t allow editing in datastore

Example Responses:

200 OK:

```
{
  "archived": false,
  "balloons": [],
  "description": "description of balloon collection here",
}
```

```
"id": 5710150413320192,  
  "self": "https://kopatsis-cs-493-  
final.uw.r.appspot.com/collections/5710150413320192",  
  "title": "Balloon Collection 1 Patch"  
}
```

404 Not Found:

```
{  
  "Error": "Collection with parameter id does not exist"  
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to put data into datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

GET /collections/:collection_id – Read an existing collection

Request:

Path Parameters –

Property	Required	Description
collection_id	Yes	Collection's id

Request Body – None

Response:

Response Body Format – JSON.

Response Statuses

Success	200 OK	Location Header contains URL of resource
Failure	404 Not Found	Id attribute does not match an existing collection
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn't include JSON)
Failure	400 Bad Request	Other error that doesn't allow working in datastore

Example Responses:

200 OK:

```
{
  "archived": false,
  "balloons": [],
  "description": "description of balloon collection here",
  "id": 5710150413320192,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5710150413320192",
  "title": "Balloon Collection 1"
}
```

404 Not Found:

```
{
  "Error": "Collection with parameter id does not exist"
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to get data from datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

GET /collections – Read all existing collections

Request:

Path Parameters – None

Request Body – None

Response:

Response Body Format – JSON.

Response Statuses

Success	200 OK	Location Header contains URL of resource
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn’t include JSON)
Failure	400 Bad Request	Other error that doesn’t allow working in datastore

Example Responses:

200 OK:

```
{
  "results": [
    {
      "archived": false,
      "balloons": [],
      "description": "description of balloon collection here",
      "id": 5710150413320192,
      "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5710150413320192",
      "title": "Balloon Collection 1"
    },
    {
      "archived": false,
      "balloons": [],
      "description": "description of balloon collection here",
      "id": 5729450050191360,
      "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5729450050191360",
      "title": "Balloon Collection 2"
    }
  ]
}
```

[Note: if more than 5 balloons exist, only the first 5 will be displayed with the next batch available via “Next” attribute link for pagination]

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

400 Bad Request:

```
{  
  "Details": "Failed to get data from datastore",  
  "Error": "Bad Request"  
}
```

[Note: 400 will only occur if something unexpected goes wrong, such as Datastore being down or an input that is somehow incompatible with Datastore]

DELETE /collections/:collection_id – Delete an existing collection

Request:

Path Parameters –

Property	Required	Description
collection id	Yes	Collection's id

Request Body – None

Response:

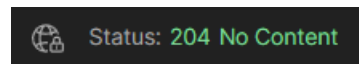
Response Body Format – None

Response Statuses

Outcome	Code	Notes
Success	204 No Content	
Failure	404 Not Found	Id attribute does not match an existing collection
Failure	400 Bad Request	Other error that doesn't allow working in datastore

Example Responses:

204 No Content:



404 Not Found:

```
{
  "Error": "Collection with parameter id does not exist"
}
```

400 Bad Request:

```
{
  "Details": "Failed to get data from datastore",
  "Error": "Bad Request"
}
```

POST /collections/:collection_id/balloons/:balloon_id – Add a Balloon to a Collection

Request:

Path Parameters –

Property	Required	Description
collection id	Yes	Collection's id
balloon id	Yes	Balloon's id

Request Body – None

Request Body Format – JSON

Bearer Token Requirement – Valid JWT

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Collection is returned
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn't include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT does not match Balloon ManufacturerID
Failure	404 Not Found	Balloon and/or collection ID does not match an existing balloon and/or collection
Failure	400 Bad Request	Other error that doesn't allow creation in datastore, Balloon already in collection

Example Responses:

200 OK:

```
{
  "archived": false,
  "balloons": [
    {
      "ID": "5662792157757440",
      "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/balloons/5662792157757440",
      "title": "Balloon Number 1"
    }
  ]
}
```

```
    }  
  ],  
  "description": "description of balloon collection here",  
  "id": 5710150413320192,  
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5710150413320192",  
  "title": "Balloon Collection 1"  
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

403 Forbidden:

```
{  
  "Error": "Forbidden"  
}
```

404 Not Found:

```
{  
  "Error": "Collection with parameter id does not exist"  
}
```

400 Bad Request:

```
{  
  "Details": "Balloon is already in collection",  
  "Error": "Bad request"  
}
```

DELETE /collections/:collection_id/balloons/:balloon_id – Remove a Balloon from a Collection

Request:

Path Parameters –

Property	Required	Description
collection id	Yes	Collection's id
balloon id	Yes	Balloon's id

Request Body – None

Request Body Format – JSON

Bearer Token Requirement – Valid JWT

Response:

Response Body Format – JSON

Response Statuses

Outcome	Code	Notes
Success	200 OK	Collection is returned
Failure	406 Not Acceptable	Incorrect “Accept” data type (doesn't include JSON)
Failure	401 Unauthorized	Invalid JWT
Failure	403 Forbidden	JWT does not match Balloon ManufacturerID
Failure	404 Not Found	Balloon and/or collection ID does not match an existing balloon and/or collection
Failure	400 Bad Request	Other error that doesn't allow creation in datastore, Balloon not in collection

Example Responses:

200 OK:

```
{
  "archived": false,
  "balloons": [],
  "description": "description of balloon collection here",
  "id": 5710150413320192,
  "self": "https://kopatsis-cs-493-final.uw.r.appspot.com/collections/5710150413320192",
  "title": "Balloon Collection 1"
```

```
}
```

406 Not Acceptable:

```
{  
  "Error": "Not Acceptable MIME type for Accept"  
}
```

401 Unauthorized:

```
{  
  "Error": "No correctly formatted token request"  
}
```

403 Forbidden:

```
{  
  "Error": "Forbidden"  
}
```

404 Not Found:

```
{  
  "Error": "Collection with parameter id does not exist"  
}
```

400 Bad Request:

```
{  
  "Details": "Balloon is not in in collection",  
  "Error": "Bad request"  
}
```

GET /users – Read all existing users

Request:

Path Parameters – None

Request Body – None

Response:

Response Body Format – JSON.

Response Statuses

Success	200 OK	
Failure	400 Bad Request	Other error that doesn't allow working in datastore

Example Responses:

200 OK:

```
[
  {
    "User ID": "google-oauth2|114140222694061328999",
    "User Name": "Demetrios Kopatsis"
  },
  {
    "User ID": "auth0|6555a6cd6ac7eefb66a5bb82",
    "User Name": "jkopatsis@gmail.com"
  },
  {
    "User ID": "auth0|657136a557cc8c91eb444ca9",
    "User Name": "kopatsid@oregonstate.edu"
  },
  {
    "User ID": "google-oauth2|115226569657097221348",
    "User Name": "Demetrios Kopatsis"
  }
]
```

400 Bad Request:

```
{
  "Details": "Failed to get data from datastore",
  "Error": "Bad Request"
}
```

Endpoints that are NOT Accepted:

PUT /balloons – Attempted to edit with no id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

PATCH /balloons – Attempted to edit with no id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

DELETE /balloons – Attempted to delete with no id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

POST /balloons/:balloon_id – Attempted to create with id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

PUT /collections – Attempted to edit with no id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

PATCH /collections – Attempted to edit with no id in parameter

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

DELETE /collections – Attempted to delete with no id in parameter

Response Statuses

Outcome	Code	Notes
---------	------	-------

Failure	405 Method Not Allowed	URL is correct, method cannot be used on it
---------	------------------------	---

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

POST /collections/:collection_id/balloons – Attempted to work with incorrect URL

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is incorrect

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

PUT /collections/:collection_id/balloons – Attempted to work with incorrect URL

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is incorrect

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

PATCH /collections/:collection_id/balloons – Attempted to work with incorrect URL

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is incorrect

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

GET /collections/:collection_id/balloons – Attempted to work with incorrect URL

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is incorrect

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

DELETE /collections/:collection_id/balloons – Attempted to work with incorrect URL

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is incorrect

Example:

```
{  
  "Error": "Incorrect method in endpoint"  
}
```

PUT /collections/:collection_id/balloons/ballon_id – Attempted to edit interaction endpoint (only add and remove functionality allowed on this URL)

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

PATCH /collections/:collection_id/balloons/ballon_id – Attempted to edit interaction endpoint (only add and remove functionality allowed on this URL)

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```

GET /collections/:collection_id/balloons/ballon_id – Attempted to read interaction endpoint (only add and remove functionality allowed on this URL)

Response Statuses

Outcome	Code	Notes
Failure	405 Method Not Allowed	URL is correct, method cannot be used on it

Example:

```
{
  "Error": "Incorrect method in endpoint"
}
```