

Namespace Unsplashsharp

Classes

[UnsplashsharpClient](#)

Represents a Unsplashsharp class which can be used to communicate with Unsplash APIs.

Enums

[UnsplashsharpClient.OrderBy](#)

How to sort the data.

[UnsplashsharpClient.Orientation](#)

Photo orientation.

[UnsplashsharpClient.Resolution](#)

The frequency of the stats.

Class UnsplashsharpClient

Namespace: [Unsplashsharp](#)

Assembly: Unsplashsharp.dll

Represents a Unsplashsharp class which can be used to communicate with Unplash APIs.

```
public class UnsplashsharpClient
```

Inheritance

[object](#) ← UnsplashsharpClient

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UnsplashsharpClient(string, string?, ILogger<UnsplashsharpClient>?,
IHttpClientFactory?)

Initialize a new instance of Unsplashsharp class.

```
public UnsplashsharpClient(string applicationId, string? secret = null,  
ILogger<UnsplashsharpClient>? logger = null, IHttpClientFactory? httpClientFactory  
= null)
```

Parameters

applicationId [string](#)

A string to identify the current application performing a request.

secret [string](#)

A string representing an API secret key to make HTTP authentified calls to Unplash services.

logger [ILogger](#)<UnsplashsharpClient>

Optional logger for structured logging.

httpClientFactory [IHttpClientFactory](#)

Optional [IHttpClientFactory](#) for modern HTTP client management. If not provided, falls back to legacy [HttpClient](#) management.

Properties

ApplicationId

Identify the application making API calls Must be created through Unsplash developer page

<https://unsplash.com/developers>

```
public string ApplicationId { get; set; }
```

Property Value

[string](#)

LastCollectionsSearchQuery

Last collection search query

```
public string? LastCollectionsSearchQuery { get; set; }
```

Property Value

[string](#)

LastCollectionsSearchTotalPages

Total pages of last search collections query

```
public int LastCollectionsSearchTotalPages { get; set; }
```

Property Value

[int ↗](#)

LastCollectionsSearchTotalResults

Total results of last search collections query

```
public int LastCollectionsSearchTotalResults { get; set; }
```

Property Value

[int ↗](#)

LastPhotosSearchQuery

Last photo search query

```
public string? LastPhotosSearchQuery { get; set; }
```

Property Value

[string ↗](#)

LastPhotosSearchTotalPages

Total pages of last search photos query

```
public int LastPhotosSearchTotalPages { get; set; }
```

Property Value

[int ↗](#)

LastPhotosSearchTotalResults

Total results of last search photos query

```
public int LastPhotosSearchTotalResults { get; set; }
```

Property Value

[int ↗](#)

LastUsersSearchQuery

Last collection search query

```
public string? LastUsersSearchQuery { get; set; }
```

Property Value

[string ↗](#)

LastUsersSearchTotalPages

Total pages of last search collections query

```
public int LastUsersSearchTotalPages { get; set; }
```

Property Value

[int ↗](#)

LastUsersSearchTotalResults

Total results of last search collections query

```
public int LastUsersSearchTotalResults { get; set; }
```

Property Value

[int](#)

MaxRateLimit

Maximum number of request allowed per hour.

```
public int MaxRateLimit { get; set; }
```

Property Value

[int](#)

RateLimitRemaining

Remaining allowed requests in the current hour.

```
public int RateLimitRemaining { get; set; }
```

Property Value

[int](#)

Secret

API Key

```
public string? Secret { get; set; }
```

Property Value

[string](#)

Methods

FetchCollectionsList(string)

Returns a list of collections (of photos) from a specified URL

```
public Task<List<Collection>> FetchCollectionsList(string url)
```

Parameters

url [string](#)

API endpoint where to fetch the photos' list.

Returns

[Task](#)<[List](#)<[Collection](#)>>

Collections list

FetchCollectionsList(string, CancellationToken)

Returns a list of collections (of photos) from a specified URL

```
public Task<List<Collection>> FetchCollectionsList(string url,  
CancellationToken cancellationToken)
```

Parameters

url [string](#)

API endpoint where to fetch the photos' list.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Collection](#)>>

Collections list

FetchPhoto(string)

Fetch a photo from an Unsplash specified URL

```
public Task<Photo?> FetchPhoto(string url)
```

Parameters

`url` [string](#)

URL to fetch photo from.

Returns

[Task](#)<[Photo](#)>

A single photo instance.

FetchPhoto(string, CancellationToken)

Fetch a photo from an Unsplash specified URL

```
public Task<Photo?> FetchPhoto(string url, CancellationToken cancellationToken)
```

Parameters

`url` [string](#)

URL to fetch photo from.

`cancellationToken` [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A single photo instance.

FetchPhotosList(string)

Return a list of photos from the specified URL.

```
public Task<List<Photo>> FetchPhotosList(string url)
```

Parameters

`url` [string](#)

API endpoint to fetch the photos' list.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos.

FetchPhotosList(string, CancellationToken)

Return a list of photos from the specified URL.

```
public Task<List<Photo>> FetchPhotosList(string url, CancellationToken cancellationToken)
```

Parameters

`url` [string](#)

API endpoint to fetch the photos' list.

`cancellationToken` [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos.

FetchSearcCollectionsList(string)

Return a list of found collections from a search query.

```
public Task<List<Collection>> FetchSearcCollectionsList(string url)
```

Parameters

url [string](#)

API endpoint to fetch the collections' list. Must be a search url.

Returns

[Task](#)<[List](#)<Collection>>

A list of collections found.

FetchSearcCollectionsList(string, CancellationToken)

Return a list of found collections from a search query.

```
public Task<List<Collection>> FetchSearcCollectionsList(string url,  
CancellationToken cancellationToken)
```

Parameters

url [string](#)

API endpoint to fetch the collections' list. Must be a search url.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<Collection>>

A list of collections found.

FetchSearcUsersList(string)

Return a list of found users from a search query.

```
public Task<List<User>> FetchSearcUsersList(string url)
```

Parameters

`url` [string](#)

API endpoint to fetch the users' list. Must be a search url.

Returns

[Task](#)<[List](#)<User>>

A list of users found.

FetchSearchPhotosList(string)

Return a list of found photos from a search query.

```
public Task<List<Photo>> FetchSearchPhotosList(string url)
```

Parameters

`url` [string](#)

API endpoint to fetch the photos' list. Must be a search url.

Returns

[Task](#)<[List](#)<Photo>>

A list of photos found.

FetchSearchPhotosList(string, CancellationToken)

Return a list of found photos from a search query.

```
public Task<List<Photo>> FetchSearchPhotosList(string url,  
CancellationToken cancellationToken)
```

Parameters

url [string](#)

API endpoint to fetch the photos' list. Must be a search url.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

GetCollection(string)

Returns the photos collection corresponding to the given id.

```
public Task<Collection?> GetCollection(string id)
```

Parameters

id [string](#)

Collection's id to find.

Returns

[Task](#)<[Collection](#)>

A new collection instance.

GetCollection(string, CancellationToken)

Returns the photos collection corresponding to the given id.

```
public Task<Collection?> GetCollection(string id, CancellationToken cancellationToken)
```

Parameters

`id` [string](#)

Collection's id to find.

`cancellationToken` [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<Collection>

A new collection instance.

GetCollectionPhotos(string, int, int)

Retrieve a collection's photos.

```
public Task<List<Photo>> GetCollectionPhotos(string id, int page = 1, int perPage = 10)
```

Parameters

`id` [string](#)

The collection's ID.

`page` [int](#)

Page number to retrieve.

`perPage` [int](#)

Number of items per page. (Max: 30)

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos in the collection

GetCollectionPhotos(string, int, int, CancellationToken)

Retrieve a collection's photos.

```
public Task<List<Photo>> GetCollectionPhotos(string id, int page, int perPage,  
CancellationToken cancellationToken)
```

Parameters

id [string](#)

The collection's ID.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page. (Max: 30)

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos in the collection

GetMonthlyStats()

Get the overall Unsplash stats for the past 30 days.

```
public Task<UnsplashMonthlyStats?> GetMonthlyStats()
```

Returns

[Task](#)<[UnsplashMonthlyStats](#)>

A list of Unplash's stats.

GetPhoto(string, int, int)

Returns the photo corresponding to the given id.

```
public Task<Photo?> GetPhoto(string id, int width = 0, int height = 0)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetPhoto(string, int, int, int, int, int, int)

Returns the photo corresponding to the given id, in the specified width and height and cropped according to a specified rectangle.

```
public Task<Photo?> GetPhoto(string id, int width, int height, int rectX, int rectY, int rectWidth, int rectHeight)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

rectX [int](#)

X origin point of the cropped rectangle.

rectY [int](#)

Y origin point of the cropped rectangle.

rectWidth [int](#)

Width of the cropped rectangle.

rectHeight [int](#)

Height of the cropped rectangle.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance which has a custom URL.

GetPhoto(string, int, int, int, int, int, CancellationToken)

Returns the photo corresponding to the given id, in the specified width and height and cropped according to a specified rectangle.

```
public Task<Photo?> GetPhoto(string id, int width, int height, int rectX, int rectY, int rectWidth, int rectHeight, CancellationToken cancellationToken)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

rectX [int](#)

X origin point of the cropped rectangle.

rectY [int](#)

Y origin point of the cropped rectangle.

rectWidth [int](#)

Width of the cropped rectangle.

rectHeight [int](#)

Height of the cropped rectangle.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance which has a custom URL.

GetPhoto(string, int, int, CancellationToken)

Returns the photo corresponding to the given id.

```
public Task<Photo?> GetPhoto(string id, int width, int height,  
CancellationToken cancellationToken)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetPhotoAsync(string, int, int)

Returns the photo corresponding to the given id with comprehensive error handling. This method throws specific exceptions for different error scenarios.

```
public Task<Photo> GetPhotoAsync(string id, int width = 0, int height = 0)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

Exceptions

[UnsplashSharpException](#)

Thrown when the request fails

[UnsplashNotFoundException](#)

Thrown when the photo is not found

GetPhotoAsync(string, int, int, CancellationToken)

Returns the photo corresponding to the given id with comprehensive error handling. This method throws specific exceptions for different error scenarios.

```
public Task<Photo> GetPhotoAsync(string id, int width, int height,  
CancellationToken cancellationToken)
```

Parameters

id [string](#)

Photo's unique id to find.

width [int](#)

Desired width.

height [int](#)

Desired height.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

Exceptions

[UnsplashException](#)

Thrown when the request fails

[UnsplashNotFoundException](#)

Thrown when the photo is not found

GetPhotoDownloadLink(string)

Retrieve a single photo's download link. Preferably hit this endpoint if a photo is downloaded in your application for use (example: to be displayed on a blog article, to be shared on social media, to be remixed, etc.).

```
public Task<string?> GetPhotoDownloadLink(string id)
```

Parameters

[id](#) [string](#)

The photo's ID.

Returns

[Task](#)<[string](#)>

The photo's download link

GetPhotoStats(string, Resolution, int)

Retrieve total number of downloads, views and likes of a single photo, as well as the historical breakdown of these stats in a specific timeframe (default is 30 days).

```
public Task<PhotoStats?> GetPhotoStats(string id, UnsplashSharpClient.Resolution  
resolution = Resolution.Days, int quantity = 30)
```

Parameters

id [string](#)

The public id of the photo.

resolution [UnsplashSharpClient.Resolution](#)

The frequency of the stats.

quantity [int](#)

The amount of for each stat.

Returns

[Task](#)<[PhotoStats](#)>

GetRandomPhoto()

Retrieve a single random photo.

```
public Task<Photo?> GetRandomPhoto()
```

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetRandomPhoto(bool, string, string, int, int, int)

Retrieve a single random photo, given optional filters.

```
public Task<List<Photo>> GetRandomPhoto(bool featured, string username = "", string query = "", int width = 0, int height = 0, int count = 1)
```

Parameters

featured [bool](#)

Limit selection to featured photos.

username [string](#)

Limit selection to a single user.

query [string](#)

Limit selection to photos matching a search term.

width [int](#)

Image width in pixels.

height [int](#)

Image height in pixels.

count [int](#)

The number of photos to return. (Default: 1; max: 30)

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of random photos.

GetRandomPhoto(int, string, string, int, int)

Retrieve a single random photo, given optional filters.

```
public Task<List<Photo>> GetRandomPhoto(int count, string username = "", string
```

```
query = "", int width = 0, int height = 0)
```

Parameters

count [int](#)

The number of photos to return. (Default: 1; max: 30)

username [string](#)

Limit selection to a single user.

query [string](#)

Limit selection to photos matching a search term.

width [int](#)

Image width in pixels.

height [int](#)

Image height in pixels.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of random photos.

GetRandomPhoto(string)

Retrieve a single random photo from a specific collection.

```
public Task<Photo?> GetRandomPhoto(string collectionId)
```

Parameters

collectionId [string](#)

Public collection ID to filter selection.

Returns

[Task<Photo>](#)

A new Photo class instance.

GetRandomPhoto(string, CancellationToken)

Retrieve a single random photo from a specific collection.

```
public Task<Photo?> GetRandomPhoto(string collectionId, CancellationToken cancellationToken)
```

Parameters

collectionId [string](#)

Public collection ID to filter selection.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task<Photo>](#)

A new Photo class instance.

GetRandomPhoto(string[])

Retrieve a single random photo from specific collections.

```
public Task<Photo?> GetRandomPhoto(string[] collectionIds)
```

Parameters

collectionIds [string\[\]](#)

Public collection ID('s) to filter selection.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetRandomPhoto(string[], CancellationToken)

Retrieve a single random photo from specific collections.

```
public Task<Photo?> GetRandomPhoto(string[] collectionIds,  
CancellationToken cancellationToken)
```

Parameters

collectionIds [string](#)[]

Public collection ID('s) to filter selection.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetRandomPhoto(CancellationToken)

Retrieve a single random photo.

```
public Task<Photo?> GetRandomPhoto(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[Photo](#)>

A new Photo class instance.

GetRandomPhoto(Orientation, bool, string, string, int, int, int)

Retrieve a single random photo, given optional filters.

```
public Task<List<Photo>> GetRandomPhoto(UnsplashSharpClient.Orientation orientation,  
    bool featured, string username = "", string query = "", int width = 0, int height =  
    0, int count = 1)
```

Parameters

orientation [UnsplashSharpClient.Orientation](#)

Filter search results by photo orientation.

featured [bool](#)

Limit selection to featured photos.

username [string](#)

Limit selection to a single user.

query [string](#)

Limit selection to photos matching a search term.

width [int](#)

Image width in pixels.

height [int](#)

Image height in pixels.

count [int](#)

The number of photos to return. (Default: 1; max: 30)

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of random photos.

GetRandomPhoto(Orientation, string, string, int, int, int)

Retrieve a single random photo, given optional filters.

```
public Task<List<Photo>> GetRandomPhoto(UnsplashSharpClient.Orientation orientation,  
string username = "", string query = "", int width = 0, int height = 0, int count  
= 1)
```

Parameters

orientation [UnsplashSharpClient.Orientation](#)

Filter search results by photo orientation.

username [string](#)

Limit selection to a single user.

query [string](#)

Limit selection to photos matching a search term.

width [int](#)

Image width in pixels.

height [int](#)

Image height in pixels.

count [int](#)

The number of photos to return. (Default: 1; max: 30)

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of random photos.

GetRandomPhotoAsync()

Retrieve a single random photo with comprehensive error handling. This method throws specific exceptions for different error scenarios.

```
public Task<Photo> GetRandomPhotoAsync()
```

Returns

[Task<Photo>](#)

A new Photo class instance.

Exceptions

[UnsplashException](#)

Thrown when the request fails

GetRandomPhotoAsync(CancellationToken)

Retrieve a single random photo with comprehensive error handling. This method throws specific exceptions for different error scenarios.

```
public Task<Photo> GetRandomPhotoAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task<Photo>](#)

A new Photo class instance.

Exceptions

[UnsplashException](#)

Thrown when the request fails

GetTotalStats()

Get a list of counts for all of Unsplash.

```
public Task<UnsplashTotalStats?> GetTotalStats()
```

Returns

[Task](#)<[UnsplashTotalStats](#)>

A list of Unsplash's stats.

GetTotalStats(CancellationToken)

Get a list of counts for all of Unsplash.

```
public Task<UnsplashTotalStats?> GetTotalStats(CancellationToken cancellationToken)
```

Parameters

[cancellationToken](#) [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[UnsplashTotalStats](#)>

A list of Unsplash's stats.

GetUser(string, int, int)

Return the User corresponding to the given username.

```
public Task<User?> GetUser(string username, int width = 0, int height = 0)
```

Parameters

username [string](#)

The user's username to find. Required.

width [int](#)

Profile image width in pixels.

height [int](#)

Profile image height in pixels.

Returns

[Task](#)<User>

User corresponding to the username if found.

GetUser(string, int, int, CancellationToken)

Return the User corresponding to the given username.

```
public Task<User?> GetUser(string username, int width, int height,  
CancellationToken cancellationToken)
```

Parameters

username [string](#)

The user's username to find. Required.

width [int](#)

Profile image width in pixels.

height [int](#)

Profile image height in pixels.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[User](#)>

User corresponding to the username if found.

GetUserPorfolioLink(string)

Retrieve a single user's portfolio link.

```
public Task<string?> GetUserPorfolioLink(string username)
```

Parameters

username [string](#)

User's name to get portfolio link from.

Returns

[Task](#)<[string](#)>

The user's porfolio link

GetUserStats(string, Resolution, int)

Retrieve the consolidated number of downloads, views and likes of all user's photos, as well as the historical breakdown and average of these stats in a specific timeframe (default is 30 days).

```
public Task<UserStats?> GetUserStats(string username, UnsplashSharpClient.Resolution  
resolution = Resolution.Days, int quantity = 30)
```

Parameters

username [string](#)

The user's username. Required.

resolution [UnsplashSharpClient.Resolution](#)

The frequency of the stats. (Optional; default: "days").

quantity [int](#)

The amount of for each stat. (Optional; default: 30)

Returns

[Task](#)<[UserStats](#)>

User's statistics

ListCollections(int, int)

Get a single page from the list of all collections.

```
public Task<List<Collection>> ListCollections(int page = 1, int perPage = 10)
```

Parameters

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page. (Max: 30)

Returns

[Task](#)<[List](#)<[Collection](#)>>

List of recent collections

ListCollections(int, int, CancellationToken)

Get a single page from the list of all collections.

```
public Task<List<Collection>> ListCollections(int page, int perPage,  
CancellationToken cancellationToken)
```

Parameters

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page. (Max: 30)

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Collection](#)>>

List of recent collections

ListFeaturedCollections(int, int)

Get a single page from the list of featured collections.

```
public Task<List<Collection>> ListFeaturedCollections(int page = 1, int perPage  
= 10)
```

Parameters

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page. (Max: 30)

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections.

ListFeaturedCollections(int, int, CancellationToken)

Get a single page from the list of featured collections.

```
public Task<List<Collection>> ListFeaturedCollections(int page, int perPage,  
CancellationToken cancellationToken)
```

Parameters

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page. (Max: 30)

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections.

ListPhotos(int, int, OrderBy)

Returns a list of all photos.

```
public Task<List<Photo>> ListPhotos(int page = 1, int perPage = 10,  
UnsplashClient.OrderBy orderBy = OrderBy.Latest)
```

Parameters

page [int ↗](#)

Page number to retrieve.

perPage [int ↗](#)

Number of items per page.

orderBy [UnsplashSharpClient.OrderBy](#)

How to sort the photos.

Returns

[Task ↗<List<Photo>>](#)

List of all photos.

ListPhotos(int, int, OrderBy, CancellationToken)

Returns a list of all photos.

```
public Task<List<Photo>> ListPhotos(int page, int perPage, UnsplashSharpClient.OrderBy  
orderBy, CancellationToken cancellationToken)
```

Parameters

page [int ↗](#)

Page number to retrieve.

perPage [int ↗](#)

Number of items per page.

orderBy [UnsplashSharpClient.OrderBy](#)

How to sort the photos.

cancellationToken [CancellationToken ↗](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

List of all photos.

ListRelatedCollections(string)

Get a collection's related collections.

```
public Task<List<Collection>> ListRelatedCollections(string id)
```

Parameters

[id](#) [string](#)

The collection's ID.

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections.

ListRelatedCollections(string, CancellationToken)

Get a collection's related collections.

```
public Task<List<Collection>> ListRelatedCollections(string id,  
CancellationToken cancellationToken)
```

Parameters

[id](#) [string](#)

The collection's ID.

[cancellationToken](#) [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections.

ListUserCollections(string, int, int)

Get all photos collections of an user.

```
public Task<List<Collection>> ListUserCollections(string username, int page = 1, int perPage = 10)
```

Parameters

username [string](#)

Name of the user to get collections from

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[Collection](#)>>

List of user's collections

ListUserLikedPhotos(string, int, int, OrderBy)

Get a list of photos liked by a user.

```
public Task<List<Photo>> ListUserLikedPhotos(string username, int page = 1, int
```

```
perPage = 10, UnsplashSharpClient.OrderBy orderBy = OrderBy.Latest)
```

Parameters

username [string](#)

Username to get photos from

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

orderBy [UnsplashSharpClient.OrderBy](#)

How to sort the photos.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of user's liked photos.

ListUserPhotos(string, int, int, OrderBy, bool, int)

Get a list of photos uploaded by a user.

```
public Task<List<Photo>> ListUserPhotos(string username, int page = 1, int perPage = 10, UnsplashSharpClient.OrderBy orderBy = OrderBy.Latest, bool stats = false, int quantity = 30)
```

Parameters

username [string](#)

Username to get photos from

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

orderBy [UnsplashSharpClient.OrderBy](#)

How to sort the photos.

stats [bool](#)

Show the stats for each user's photo.

quantity [int](#)

The amount of for each stat.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of user's photos.

SearchCollections(string, int, int)

Get a single page of collection results for a query.

```
public Task<List<Collection>> SearchCollections(string query, int page = 1, int  
perPage = 10)
```

Parameters

query [string](#)

Search terms.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections found.

SearchCollections(string, int, int, CancellationToken)

Get a single page of collection results for a query.

```
public Task<List<Collection>> SearchCollections(string query, int page, int perPage,  
CancellationToken cancellationToken)
```

Parameters

query [string](#)

Search terms.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Collection](#)>>

A list of collections found.

SearchPhotos(string, int, int)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, int page = 1, int perPage = 10)
```

Parameters

query [string](#)

Search terms.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchPhotos(string, int, int, CancellationToken)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, int page, int perPage,  
CancellationToken cancellationToken)
```

Parameters

query [string](#)

Search terms.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchPhotos(string, string, int, int)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, string collectionId, int page = 1, int perPage = 10)
```

Parameters

query [string](#)

Search terms.

collectionId [string](#)

Collection ID to narrow search.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchPhotos(string, string, int, int, CancellationToken)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, string collectionId, int page, int perPage, CancellationToken cancellationToken)
```

Parameters

query [string](#)

Search terms.

collectionId [string](#)

Collection ID to narrow search.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchPhotos(string, string[], int, int)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, string[] collectionIds, int page = 1, int perPage = 10)
```

Parameters

query [string](#)

Search terms.

collectionIds [string](#)[]

Collection ID's to narrow search.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchPhotos(string, string[], int, int, CancellationToken)

Get a single page of photo results for a query.

```
public Task<List<Photo>> SearchPhotos(string query, string[] collectionIds, int page, int perPage, CancellationToken cancellationToken)
```

Parameters

query [string](#)

Search terms.

collectionIds [string](#)[]

Collection ID's to narrow search.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

cancellationToken [CancellationToken](#)

Cancellation token to cancel the request.

Returns

[Task](#)<[List](#)<[Photo](#)>>

A list of photos found.

SearchUsers(string, int, int)

Get a single page of user results for a query.

```
public Task<List<User>> SearchUsers(string query, int page = 1, int perPage = 10)
```

Parameters

query [string](#)

Search terms.

page [int](#)

Page number to retrieve.

perPage [int](#)

Number of items per page.

Returns

[Task](#)<[List](#)<[User](#)>>

A list of users found.

Enum UnsplashSharpClient.OrderBy

Namespace: [UnsplashSharp](#)

Assembly: UnsplashSharp.dll

How to sort the data.

```
public enum UnsplashSharpClient.OrderBy
```

Fields

Latest = 0

Sort the data from the most recent to the oldest.

Oldest = 1

Sort the data from the the oldest to the most recent.

Popular = 2

Sort the data from the most popular to the least.

Enum UnsplashSharpClient.Orientation

Namespace: [UnsplashSharp](#)

Assembly: UnsplashSharp.dll

Photo orientation.

```
public enum UnsplashSharpClient.Orientation
```

Fields

Landscape = 0

Landscape orientation.

Portrait = 1

Portrait orientation.

Squarish = 2

Squarish orientation.

Enum UnsplashsharpClient.Resolution

Namespace: [Unsplashsharp](#)

Assembly: Unsplashsharp.dll

The frequency of the stats.

```
public enum UnsplashsharpClient.Resolution
```

Fields

Days = 0

Stats for each day.

Namespace Unsplashsharp.Exceptions

Classes

[ErrorContext](#)

Contains contextual information about an error for debugging and logging purposes

[RateLimitInfo](#)

Contains rate limit information extracted from HTTP headers

[UnsplashsharpAuthenticationException](#)

Exception thrown when authentication fails

[UnsplashsharpException](#)

Base exception class for all Unsplashsharp-related errors (partial class for factory methods)

[UnsplashsharpHttpException](#)

Exception thrown when an HTTP request fails

[UnsplashsharpNetworkException](#)

Exception thrown when a network error occurs

[UnsplashsharpNotFoundException](#)

Exception thrown when a requested resource is not found

[UnsplashsharpParsingException](#)

Exception thrown when JSON parsing fails

[UnsplashsharpRateLimitException](#)

Exception thrown when the API rate limit is exceeded

[UnsplashsharpTimeoutException](#)

Exception thrown when a request times out

Class ErrorContext

Namespace: [Unsplashsharp.Exceptions](#)

Assembly: Unsplashsharp.dll

Contains contextual information about an error for debugging and logging purposes

```
public class ErrorContext
```

Inheritance

[object](#) ← ErrorContext

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ErrorContext(string?, string?)

Initializes a new instance of the ErrorContext class

```
public ErrorContext(string? applicationId = null, string? correlationId = null)
```

Parameters

applicationId [string](#)

The application ID

correlationId [string](#)

The correlation ID

Properties

ApplicationId

The application ID used for the request

```
public string? ApplicationId { get; }
```

Property Value

[string](#) ↗

CorrelationId

The correlation ID for tracking requests across logs

```
public string? CorrelationId { get; }
```

Property Value

[string](#) ↗

Elapsed Time

The total time elapsed for the request (including retries)

```
public TimeSpan? ElapsedTime { get; }
```

Property Value

[TimeSpan](#) ↗?

Properties

Additional custom properties for context

```
public Dictionary<string, object> Properties { get; }
```

Property Value

[Dictionary<string, object>](#)

RateLimitInfo

The current rate limit information

```
public RateLimitInfo? RateLimitInfo { get; set; }
```

Property Value

[RateLimitInfo](#)

RequestHeaders

Request headers sent with the HTTP request

```
public Dictionary<string, string> RequestHeaders { get; }
```

Property Value

[Dictionary<string, string>](#)

ResponseHeaders

Response headers received from the HTTP response

```
public Dictionary<string, string> ResponseHeaders { get; }
```

Property Value

[Dictionary<string, string>](#)

RetryAttempts

The number of retry attempts made

```
public int RetryAttempts { get; }
```

Property Value

[int](#)

Timestamp

The timestamp when the error occurred

```
public DateTimeOffset Timestamp { get; }
```

Property Value

[DateTimeOffset](#)

Methods

FromRequest([HttpRequestMessage](#), [string?](#), [string?](#))

Creates an [ErrorContext](#) from an HTTP request message

```
public static ErrorContext FromRequest(HttpRequestMessage request, string?  
applicationId = null, string? correlationId = null)
```

Parameters

[request](#) [HttpRequestMessage](#)

The HTTP request message

[applicationId](#) [string](#)

The application ID

[correlationId](#) [string](#)

The correlation ID

Returns

[HttpContext](#)

A new HttpContext instance

FromResponse([HttpResponseMessage](#), [string?](#), [string?](#))

Creates an HttpContext from an HTTP response message

```
public static HttpContext FromResponse(HttpResponseMessage response, string?
applicationId = null, string? correlationId = null)
```

Parameters

[response](#) [HttpResponseMessage](#)

The HTTP response message

[applicationId](#) [string](#)

The application ID

[correlationId](#) [string](#)

The correlation ID

Returns

[HttpContext](#)

A new HttpContext instance

GetProperty<T>([string](#))

Gets a property value by key

```
public T? GetProperty<T>(string key)
```

Parameters

key [string](#)

The property key

Returns

T

The property value, or default(T) if not found

Type Parameters

T

The expected type of the property

ToSummary()

Creates a summary string of the error context for logging

```
public string ToSummary()
```

Returns

[string](#)

A formatted summary string

WithElapsedTime(TimeSpan)

Sets the elapsed time

```
public ErrorContext WithElapsedTime(TimeSpan elapsed)
```

Parameters

elapsed [TimeSpan](#)

The elapsed time

Returns

[ErrorContext](#)

This ErrorContext instance for method chaining

WithProperty(string, object)

Adds a custom property to the context

```
public ErrorContext WithProperty(string key, object value)
```

Parameters

[key](#) [string](#) ↗

The property key

[value](#) [object](#) ↗

The property value

Returns

[ErrorContext](#)

This ErrorContext instance for method chaining

WithRetryAttempts(int)

Sets the retry attempts count

```
public ErrorContext WithRetryAttempts(int attempts)
```

Parameters

[attempts](#) [int](#) ↗

The number of retry attempts

Returns

[ErrorContext](#)

This ErrorContext instance for method chaining

Class RateLimitInfo

Namespace: [Unsplashsharp.Exceptions](#)

Assembly: Unsplashsharp.dll

Contains rate limit information extracted from HTTP headers

```
public class RateLimitInfo
```

Inheritance

[object](#) ← RateLimitInfo

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RateLimitInfo(int?, int?, DateTimeOffset?)

Initializes a new instance of the RateLimitInfo class

```
public RateLimitInfo(int? limit, int? remaining, DateTimeOffset? reset)
```

Parameters

limit [int](#)?

The rate limit

remaining [int](#)?

The remaining requests

reset [DateTimeOffset](#)?

When the rate limit resets

Properties

IsExceeded

Indicates whether the rate limit has been exceeded

```
public bool IsExceeded { get; }
```

Property Value

[bool](#)

Limit

The maximum number of requests allowed per hour

```
public int? Limit { get; }
```

Property Value

[int](#)?

Remaining

The number of requests remaining in the current hour

```
public int? Remaining { get; }
```

Property Value

[int](#)?

Reset

When the rate limit resets

```
public DateTimeOffset? Reset { get; }
```

Property Value

[DateTimeOffset](#)?

TimeUntilReset

Gets the time until the rate limit resets

```
public TimeSpan? TimeUntilReset { get; }
```

Property Value

[TimeSpan](#)?

Methods

FromHeaders(HttpResponseHeaders)

Extracts rate limit information from HTTP response headers

```
public static RateLimitInfo? FromHeaders(HttpResponseHeaders headers)
```

Parameters

headers [HttpResponseHeaders](#)

The HTTP response headers

Returns

[RateLimitInfo](#)

A RateLimitInfo instance, or null if no rate limit headers found

Class UnsplashSharpAuthenticationException

Namespace: [UnsplashSharp.Exceptions](#)

Assembly: UnsplashSharp.dll

Exception thrown when authentication fails

```
public class UnsplashSharpAuthenticationException : UnsplashSharpHttpException,  
ISerializable
```

Inheritance

```
object ↩ ← Exception ↩ ← UnsplashSharpException ← UnsplashSharpHttpException ←  
UnsplashSharpAuthenticationException
```

Implements

[ISerializable](#) ↩

Inherited Members

```
UnsplashSharpHttpException.StatusCode , UnsplashSharpHttpException.ResponseContent ,  
UnsplashSharpHttpException.IsRetryable ,  
UnsplashSharpException.FromHttpResponse(HttpResponseMessage, string, string, string) ,  
UnsplashSharpException.FromHttpRequestException(HttpRequestException, string, string, string, string) ,  
UnsplashSharpException.FromTaskCanceledException(TaskCanceledException, TimeSpan?, string, string, string) ,  
UnsplashSharpException.FromJsonException(JsonException, string, string, string, string, string, string) ,  
UnsplashSharpException.RequestUrl , UnsplashSharpException.HttpMethod ,  
UnsplashSharpException.Context , Exception.GetBaseException() ↩ ,  
Exception.GetObjectData(SerializationInfo, StreamingContext) ↩ , Exception.GetType() ↩ ,  
Exception.ToString() ↩ , Exception.Data ↩ , Exception.HelpLink ↩ , Exception.HResult ↩ ,  
Exception.InnerException ↩ , Exception.Message ↩ , Exception.Source ↩ , Exception.StackTrace ↩ ,  
Exception.TargetSite ↩ , Exception.SerializeObjectState ↩ , object.Equals(object) ↩ ,  
object.Equals(object, object) ↩ , object.GetHashCode() ↩ , object.MemberwiseClone() ↩ ,  
object.ReferenceEquals(object, object) ↩
```

Constructors

UnsplashSharpAuthenticationException(string, string?, string?, ErrorContext?)

Initializes a new instance of the UnsplashSharpAuthenticationException class

```
public UnsplashSharpAuthenticationException(string message, string? requestUrl,  
    string? httpMethod, ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

context [ErrorContext](#)

Additional error context

Class UnsplashsharpException

Namespace: [Unsplashsharp.Exceptions](#)

Assembly: Unsplashsharp.dll

Base exception class for all Unsplashsharp-related errors (partial class for factory methods)

```
public abstract class UnsplashsharpException : Exception, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← UnsplashsharpException

Implements

[ISerializable](#)

Derived

[UnsplashsharpHttpException](#), [UnsplashsharpNetworkException](#), [UnsplashsharpParsingException](#)

Inherited Members

[Exception.GetBaseException\(\)](#), [Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#),
[Exception.GetType\(\)](#), [Exception.ToString\(\)](#), [Exception.Data](#), [Exception.HelpLink](#),
[Exception.HResult](#), [Exception.InnerException](#), [Exception.Message](#), [Exception.Source](#),
[Exception.StackTrace](#), [Exception.TargetSite](#), [Exception.SerializeObjectState](#),
[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#)

Constructors

UnsplashsharpException(string)

Initializes a new instance of the UnsplashsharpException class

```
protected UnsplashsharpException(string message)
```

Parameters

message [string](#)

The error message

UnsplashsharpException(string, Exception)

Initializes a new instance of the UnsplashsharpException class

```
protected UnsplashsharpException(string message, Exception innerException)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

UnsplashsharpException(string, Exception, string?, string?, ErrorContext?)

Initializes a new instance of the UnsplashsharpException class with context and inner exception

```
protected UnsplashsharpException(string message, Exception innerException, string? requestUrl, string? httpMethod, ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

context ErrorContext

Additional error context

UnsplashsharpException(string, string?, string?, ErrorContext?)

Initializes a new instance of the UnsplashsharpException class with context

```
protected UnsplashsharpException(string message, string? requestUrl, string?  
httpMethod, ErrorContext? context = null)
```

Parameters

message string

The error message

requestUrl string

The request URL

httpMethod string

The HTTP method

context ErrorContext

Additional error context

Properties

Context

Additional context information about the error

```
public ErrorContext? Context { get; }
```

Property Value

ErrorContext

HttpMethod

The HTTP method used for the request

```
public string? HttpMethod { get; }
```

PropertyValue

[string](#)

RequestUrl

The request URL that caused the error

```
public string? RequestUrl { get; }
```

PropertyValue

[string](#)

Methods

FromHttpRequestException(HttpRequestException, string?, string?, string?, string?)

Creates an exception from an HttpRequestException

```
public static UnsplashSharpNetworkException  
FromHttpRequestException(HttpRequestException exception, string? requestUrl, string?  
httpMethod, string? applicationId = null, string? correlationId = null)
```

Parameters

exception [HttpRequestException](#)

The `HttpRequestException`

`requestUrl string` ↗

The request URL

`httpMethod string` ↗

The HTTP method

`applicationId string` ↗

The application ID

`correlationId string` ↗

The correlation ID

Returns

[UnsplashSharpNetworkException](#)

An `UnsplashSharpNetworkException`

`FromHttpResponse(HttpResponseMessage, string?, string?, string?)`

Creates an exception from an HTTP response

```
public static UnsplashException FromHttpResponse(HttpResponseMessage response,  
string? responseContent, string? applicationId = null, string? correlationId = null)
```

Parameters

`response HttpResponseMessage` ↗

The HTTP response

`responseContent string` ↗

The response content

`applicationId string` ↗

The application ID

correlationId [string](#)

The correlation ID

Returns

[UnsplashsharpException](#)

An appropriate UnsplashsharpException

FromJsonException(JsonException, string?, string?, string?, string?, string?, string?)

Creates an exception from a JsonException

```
public static UnsplashsharpParsingException FromJsonException(JsonException exception,  
string? rawContent, string? expectedType, string? requestUrl, string? httpMethod,  
string? applicationId = null, string? correlationId = null)
```

Parameters

exception [JsonException](#)

The JsonException

rawContent [string](#)

The raw content that failed to parse

expectedType [string](#)

The expected data type

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

`applicationId` [string](#)

The application ID

`correlationId` [string](#)

The correlation ID

Returns

[UnsplashSharpParsingException](#)

An UnsplashSharpParsingException

FromTaskCanceledException(TaskCanceledException, TimeSpan?, string?, string?, string?, string?)

Creates an exception from a TaskCanceledException

```
public static UnsplashSharpTimeoutException  
FromTaskCanceledException(TaskCanceledException exception, TimeSpan? timeout,  
string? requestUrl, string? httpMethod, string? applicationId = null, string?  
correlationId = null)
```

Parameters

`exception` [TaskCanceledException](#)

The TaskCanceledException

`timeout` [TimeSpan](#)?

The timeout duration

`requestUrl` [string](#)

The request URL

`httpMethod` [string](#)

The HTTP method

`applicationId` [string](#)

The application ID

correlationId [string](#)

The correlation ID

Returns

[UnsplashSharpTimeoutException](#)

An UnsplashSharpTimeoutException

Class UnsplashSharpHttpException

Namespace: [UnsplashSharp.Exceptions](#)

Assembly: UnsplashSharp.dll

Exception thrown when an HTTP request fails

```
public class UnsplashSharpHttpException : UnsplashSharpException, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← [UnsplashSharpException](#) ← `UnsplashSharpHttpException`

Implements

[ISerializable](#)

Derived

[UnsplashSharpAuthenticationException](#), [UnsplashSharpNotFoundException](#),

[UnsplashSharpRateLimitException](#)

Inherited Members

[UnsplashSharpException.FromHttpResponse](#)(`HttpResponseMessage`, `string`, `string`, `string`),

[UnsplashSharpException.FromHttpRequestException](#)(`HttpRequestException`, `string`, `string`, `string`, `string`),

[UnsplashSharpException.FromTaskCanceledException](#)(`TaskCanceledException`, `TimeSpan?`, `string`, `string`, `string`, `string`),

[UnsplashSharpException.FromJsonException](#)(`JsonException`, `string`, `string`, `string`, `string`, `string`),

[UnsplashSharpException.RequestUrl](#), [UnsplashSharpException.HttpMethod](#),

[UnsplashSharpException.Context](#), [Exception.GetBaseException\(\)](#),

[Exception.GetObjectData](#)(`SerializationInfo`, `StreamingContext`), [Exception.GetType\(\)](#),

[Exception.ToString\(\)](#), [Exception.Data](#), [Exception.HelpLink](#), [Exception.HResult](#),

[Exception.InnerException](#), [Exception.Message](#), [Exception.Source](#), [Exception.StackTrace](#),

[Exception.TargetSite](#), [Exception.SerializeObjectState](#), [object.Equals\(object\)](#),

[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.MemberwiseClone\(\)](#),

[object.ReferenceEquals\(object, object\)](#)

Constructors

UnsplashSharpHttpException(string, Exception, HttpStatusCode?, string?, string?, string?, bool, ErrorContext?)

Initializes a new instance of the UnsplashSharpHttpException class with inner exception

```
public UnsplashSharpHttpException(string message, Exception innerException,
HttpStatusCode? statusCode, string? responseContent, string? requestUrl, string?
httpMethod, bool isRetryable = false, ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

statusCode [HttpStatusCode](#)?

The HTTP status code

responseContent [string](#)

The response content

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

isRetryable [bool](#)

Whether this error is retryable

context [ErrorContext](#)

Additional error context

UnsplashSharpHttpException(string, HttpStatusCode?, string?, string?, bool, ErrorContext?)

Initializes a new instance of the UnsplashSharpHttpException class

```
public UnsplashSharpHttpException(string message, HttpStatusCode? statusCode, string?  
responseContent, string? requestUrl, string? httpMethod, bool isRetryable = false,  
ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

statusCode [HttpStatusCode](#)?

The HTTP status code

responseContent [string](#)

The response content

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

isRetryable [bool](#)

Whether this error is retryable

context [ErrorContext](#)

Additional error context

Properties

IsRetryable

Indicates whether this error is retryable

```
public bool IsRetryable { get; }
```

Property Value

[bool](#)

ResponseContent

The response content from the API

```
public string? ResponseContent { get; }
```

Property Value

[string](#)

StatusCode

The HTTP status code returned by the API

```
public HttpStatusCode? StatusCode { get; }
```

Property Value

[HttpStatusCode](#)?

Class UnsplashsharpNetworkException

Namespace: [Unsplashsharp.Exceptions](#)

Assembly: Unsplashsharp.dll

Exception thrown when a network error occurs

```
public class UnsplashsharpNetworkException : UnsplashsharpException, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← [UnsplashsharpException](#) ← UnsplashsharpNetworkException

Implements

[ISerializable](#)

Derived

[UnsplashsharpTimeoutException](#)

Inherited Members

[UnsplashsharpException.FromHttpResponse](#)([HttpResponseMessage](#), [string](#), [string](#), [string](#)),
[UnsplashsharpException.FromHttpRequestException](#)([HttpRequestException](#), [string](#), [string](#), [string](#), [string](#)),
[UnsplashsharpException.FromTaskCanceledException](#)([TaskCanceledException](#), [TimeSpan?](#), [string](#), [string](#), [string](#)),
[UnsplashsharpException.FromJsonException](#)([JsonException](#), [string](#), [string](#), [string](#), [string](#), [string](#), [string](#)),
[UnsplashsharpException.RequestUrl](#), [UnsplashsharpException.HttpMethod](#),
[UnsplashsharpException.Context](#), [Exception.GetBaseException\(\)](#),
[Exception.GetObjectData](#)([SerializationInfo](#), [StreamingContext](#)), [Exception.GetType\(\)](#),
[Exception.ToString\(\)](#), [Exception.Data](#), [Exception.HelpLink](#), [Exception.HResult](#),
[Exception.InnerException](#), [Exception.Message](#), [Exception.Source](#), [Exception.StackTrace](#),
[Exception.TargetSite](#), [Exception.SerializeObjectState](#), [object.Equals\(object\)](#),
[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.MemberwiseClone\(\)](#),
[object.ReferenceEquals\(object, object\)](#)

Constructors

[UnsplashsharpNetworkException\(string, Exception, string?, string?, bool, ErrorContext?\)](#)

Initializes a new instance of the UnsplashNetworkException class

```
public UnsplashNetworkException(string message, Exception innerException, string?  
requestUrl, string? httpMethod, bool isRetryable = true, ErrorContext? context  
= null)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

isRetryable [bool](#)

Whether this error is retryable

context [ErrorContext](#)

Additional error context

Properties

IsRetryable

Indicates whether this error is retryable

```
public bool IsRetryable { get; }
```

Property Value

bool ↗

Class UnsplashSharpNotFoundException

Namespace: [UnsplashSharp.Exceptions](#)

Assembly: UnsplashSharp.dll

Exception thrown when a requested resource is not found

```
public class UnsplashSharpNotFoundException : UnsplashSharpHttpException, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← [UnsplashSharpException](#) ← [UnsplashSharpHttpException](#) ← UnsplashSharpNotFoundException

Implements

[ISerializable](#)

Inherited Members

[UnsplashSharpHttpException.StatusCode](#) , [UnsplashSharpHttpException.ResponseContent](#) ,
[UnsplashSharpHttpException.IsRetryable](#) ,
[UnsplashSharpException.FromHttpResponse](#)([HttpResponseMessage](#), [string](#), [string](#), [string](#)) ,
[UnsplashSharpException.FromHttpRequestException](#)([HttpRequestException](#), [string](#), [string](#), [string](#),
[string](#)) ,
[UnsplashSharpException.FromTaskCanceledException](#)([TaskCanceledException](#), [TimeSpan?](#), [string](#),
[string](#), [string](#)) ,
[UnsplashSharpException.FromJsonException](#)([JsonException](#), [string](#), [string](#), [string](#), [string](#), [string](#)) ,
[UnsplashSharpException.RequestUrl](#) , [UnsplashSharpException.HttpMethod](#) ,
[UnsplashSharpException.Context](#) , [Exception.GetBaseException\(\)](#) ,
[Exception.GetObjectData](#)([SerializationInfo](#), [StreamingContext](#)) , [Exception.GetType\(\)](#) ,
[Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) , [Exception.HResult](#) ,
[Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) , [Exception.StackTrace](#) ,
[Exception.TargetSite](#) , [Exception.SerializeObjectState](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Constructors

[UnsplashSharpNotFoundException\(string, string?, string?, string?, string?, ErrorContext?\)](#)

Initializes a new instance of the UnsplashSharpNotFoundException class

```
public UnsplashSharpNotFoundException(string message, string? resourceId, string?  
resourceType, string? requestUrl, string? httpMethod, ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

resourceId [string](#)

The resource identifier

resourceType [string](#)

The resource type

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

context [ErrorContext](#)

Additional error context

Properties

ResourceId

The resource identifier that was not found

```
public string? ResourceId { get; }
```

Property Value

[string](#)

ResourceType

The type of resource that was not found

```
public string? ResourceType { get; }
```

Property Value

[string](#)

Class UnsplashsharpParsingException

Namespace: [Unsplashsharp.Exceptions](#)

Assembly: Unsplashsharp.dll

Exception thrown when JSON parsing fails

```
public class UnsplashsharpParsingException : UnsplashsharpException, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← [UnsplashsharpException](#) ← UnsplashsharpParsingException

Implements

[ISerializable](#)

Inherited Members

[UnsplashsharpException.FromHttpResponse\(HttpResponseMessage, string, string, string\)](#) ,
[UnsplashsharpException.FromHttpRequestException\(HttpRequestException, string, string, string, string\)](#) ,
[UnsplashsharpException.FromTaskCanceledException\(TaskCanceledException, TimeSpan?, string, string, string, string\)](#) ,
[UnsplashsharpException.FromJsonException\(JsonException, string, string, string, string, string, string\)](#) ,
[UnsplashsharpException.RequestUrl](#) , [UnsplashsharpException.HttpMethod](#) ,
[UnsplashsharpException.Context](#) , [Exception.GetBaseException\(\)](#) ,
[Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) , [Exception.GetType\(\)](#) ,
[Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) , [Exception.HResult](#) ,
[Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) , [Exception.StackTrace](#) ,
[Exception.TargetSite](#) , [Exception.SerializeObjectState](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Constructors

UnsplashsharpParsingException(string, Exception, string?, string?, string?, string?, ErrorContext?)

Initializes a new instance of the UnsplashsharpParsingException class

```
public UnsplashSharpParsingException(string message, Exception innerException, string?  
rawContent, string? expectedType, string? requestUrl, string? httpMethod,  
ErrorContext? context = null)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

rawContent [string](#)

The raw content that failed to parse

expectedType [string](#)

The expected data type

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

context [ErrorContext](#)

Additional error context

Properties

ExpectedType

The expected data type

```
public string? ExpectedType { get; }
```

Property Value

[string ↗](#)

RawContent

The raw response content that failed to parse

```
public string? RawContent { get; }
```

Property Value

[string ↗](#)

Class UnsplashSharpRateLimitException

Namespace: [UnsplashSharp.Exceptions](#)

Assembly: UnsplashSharp.dll

Exception thrown when the API rate limit is exceeded

```
public class UnsplashSharpRateLimitException : UnsplashSharpHttpException, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← [UnsplashSharpException](#) ← [UnsplashSharpHttpException](#) ← UnsplashSharpRateLimitException

Implements

[ISerializable](#)

Inherited Members

[UnsplashSharpHttpException.StatusCode](#) , [UnsplashSharpHttpException.ResponseContent](#) ,
[UnsplashSharpHttpException.IsRetryable](#) ,
[UnsplashSharpException.FromHttpResponse](#)([HttpResponseMessage](#), [string](#), [string](#), [string](#)) ,
[UnsplashSharpException.FromHttpRequestException](#)([HttpRequestException](#), [string](#), [string](#), [string](#),
[string](#)) ,
[UnsplashSharpException.FromTaskCanceledException](#)([TaskCanceledException](#), [TimeSpan?](#), [string](#),
[string](#), [string](#)) ,
[UnsplashSharpException.FromJsonException](#)([JsonException](#), [string](#), [string](#), [string](#), [string](#), [string](#)) ,
[UnsplashSharpException.RequestUrl](#) , [UnsplashSharpException.HttpMethod](#) ,
[UnsplashSharpException.Context](#) , [Exception.GetBaseException\(\)](#) ,
[Exception.GetObjectData](#)([SerializationInfo](#), [StreamingContext](#)) , [Exception.GetType\(\)](#) ,
[Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) , [Exception.HResult](#) ,
[Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) , [Exception.StackTrace](#) ,
[Exception.TargetSite](#) , [Exception.SerializeObjectState](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Constructors

[UnsplashSharpRateLimitException](#)([string](#), [int?](#), [int?](#),
[DateTimeOffset?](#), [string?](#), [string?](#), [ErrorContext?](#))

Initializes a new instance of the UnsplashRateLimitException class

```
public UnsplashRateLimitException(string message, int? rateLimit, int?  
rateLimitRemaining, DateTimeOffset? rateLimitReset, string? requestUrl, string?  
httpMethod, ErrorContext? context = null)
```

Parameters

message [string](#)?

The error message

rateLimit [int](#)?

The current rate limit

rateLimitRemaining [int](#)?

The remaining requests

rateLimitReset [DateTimeOffset](#)?

When the rate limit resets

requestUrl [string](#)?

The request URL

httpMethod [string](#)?

The HTTP method

context [ErrorContext](#)

Additional error context

Properties

RateLimit

The current rate limit

```
public int? RateLimit { get; }
```

Property Value

[int](#)?

RateLimitRemaining

The remaining requests in the current window

```
public int? RateLimitRemaining { get; }
```

Property Value

[int](#)?

RateLimitReset

When the rate limit resets (Unix timestamp)

```
public DateTimeOffset? RateLimitReset { get; }
```

Property Value

[DateTimeOffset](#)?

Class UnsplashSharpTimeoutException

Namespace: [UnsplashSharp.Exceptions](#)

Assembly: UnsplashSharp.dll

Exception thrown when a request times out

```
public class UnsplashSharpTimeoutException : UnsplashSharpNetworkException,  
ISerializable
```

Inheritance

[Object](#) ← [Exception](#) ← [UnsplashSharpException](#) ← [UnsplashSharpNetworkException](#) ←
UnsplashSharpTimeoutException

Implements

[ISerializable](#)

Inherited Members

[UnsplashSharpNetworkException.IsRetryable](#) ,
[UnsplashSharpException.FromHttpResponseMessage\(string, string, string\)](#) ,
[UnsplashSharpException.FromHttpRequestException\(HttpRequestException, string, string, string, string\)](#) ,
[UnsplashSharpException.FromTaskCanceledException\(TaskCanceledException, TimeSpan?, string, string, string\)](#) ,
[UnsplashSharpException.FromJsonException\(JsonException, string, string, string, string, string, string\)](#) ,
[UnsplashSharpException.RequestUrl](#) , [UnsplashSharpException.HttpMethod](#) ,
[UnsplashSharpException.Context](#) , [Exception.GetBaseException\(\)](#) ,
[Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) , [Exception.GetType\(\)](#) ,
[Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) , [Exception.HResult](#) ,
[Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) , [Exception.StackTrace](#) ,
[Exception.TargetSite](#) , [Exception.SerializeObjectState](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Constructors

[UnsplashSharpTimeoutException\(string, Exception, TimeSpan?, string?, string?, ErrorContext?\)](#)

Initializes a new instance of the UnsplashSharpTimeoutException class

```
public UnsplashSharpTimeoutException(string message, Exception innerException,  
TimeSpan? timeout, string? requestUrl, string? httpMethod, ErrorContext? context  
= null)
```

Parameters

message [string](#)

The error message

innerException [Exception](#)

The inner exception

timeout [TimeSpan](#)?

The timeout duration

requestUrl [string](#)

The request URL

httpMethod [string](#)

The HTTP method

context [ErrorContext](#)

Additional error context

Properties

Timeout

The timeout duration

```
public TimeSpan? Timeout { get; }
```

Property Value

[TimeSpan](#)?

Namespace Unsplashsharp.Extensions

Classes

[ServiceCollectionExtensions](#)

Extension methods for configuring Unsplashsharp with IServiceCollection

[UnsplashsharpOptions](#)

Configuration options for Unsplashsharp

Class ServiceCollectionExtensions

Namespace: [Unsplashsharp.Extensions](#)

Assembly: Unsplashsharp.dll

Extension methods for configuring Unsplashsharp with IServiceCollection

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddUnsplashsharp(IServiceCollection, Action<UnsplashsharpOptions>)

Adds Unsplashsharp client to the service collection with custom configuration

```
public static IServiceCollection AddUnsplashsharp(this IServiceCollection services,  
Action<UnsplashsharpOptions> configure)
```

Parameters

services [IServiceCollection](#)

The service collection

configure [Action](#)<[UnsplashsharpOptions](#)>

Configuration action

Returns

[IServiceCollection](#)

The service collection for chaining

AddUnsplashSharp(IServiceCollection, string, string?, Action<HttpClient>?)

Adds UnsplashSharp client to the service collection with IHttpClientFactory support

```
public static IServiceCollection AddUnsplashSharp(this IServiceCollection services,
string applicationId, string? secret = null, Action<HttpClient>? configureHttpClient
= null)
```

Parameters

services [IServiceCollection](#)

The service collection

applicationId [string](#)

Unsplash application ID

secret [string](#)

Optional secret for authenticated requests

configureHttpClient [Action](#)<[HttpClient](#)>

Optional action to configure the HttpClient

Returns

[IServiceCollection](#)

The service collection for chaining

Class UnsplashOptions

Namespace: [UnsplashSharp.Extensions](#)

Assembly: UnsplashSharp.dll

Configuration options for UnsplashSharp

```
public class UnsplashOptions
```

Inheritance

[object](#) ← UnsplashOptions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ApplicationId

Unsplash application ID (required)

```
public string ApplicationId { get; set; }
```

Property Value

[string](#)

ConfigureHttpClient

Optional action to configure the HttpClient

```
public Action<HttpClient>? ConfigureHttpClient { get; set; }
```

Property Value

[Action](#)<[HttpClient](#)>

Secret

Optional secret for authenticated requests

```
public string? Secret { get; set; }
```

Property Value

[string](#)

Namespace UnsplashSharp.Models

Classes

[Badge](#)

Badge (a user specific role).

[Category](#)

Photo's category.

[CategoryLinks](#)

Photo's link to its categories.

[Collection](#)

Represents a collection of photos.

[CollectionLinks](#)

Collection's link.

[Exif](#)

Camera specifications.

[Location](#)

The photo's location.

[Photo](#)

Represents a photo class from Unsplash API.

[PhotoLinks](#)

Photo's link relations.

[PhotoStats](#)

Photo's statistics.

[Position](#)

Represents a geographical position (latitude, longitude).

[ProfileImage](#)

Profile image at different sizes.

[StatsData](#)

Data statistics.

[StatsHistorical](#)

Stat's history.

StatsValue

A data set.

UnplashMonthlyStats

Unsplash statistics counts for the past 30 days.

UnplashTotalStats

Unsplash statistics counts.

Urls

Photo's URLs linking to the direct photo (full screen).

User

Represents an user class from Unplash API.

UserLinks

User's link relations.

UserStats

User's statistics.

Class Badge

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Badge (a user specific role).

```
public class Badge
```

Inheritance

[object](#) ← Badge

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Link

Badge's page's link.

```
public string Link { get; set; }
```

Property Value

[string](#)

Primary

True if it's the primary badge.

```
public bool Primary { get; set; }
```

Property Value

[bool](#)

Slug

Badge's description.

```
public string Slug { get; set; }
```

Property Value

[string](#)

Title

Badge's title (e.g. book contributor).

```
public string Title { get; set; }
```

Property Value

[string](#)

Class Category

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Photo's category.

```
public class Category
```

Inheritance

[object](#) ← Category

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

Category's identifier.

```
public string Id { get; set; }
```

Property Value

[string](#)

Links

Category's links.

```
public CategoryLinks Links { get; set; }
```

Property Value

CategoryLinks

PhotoCount

Number of photos in this category.

```
public int PhotoCount { get; set; }
```

Property Value

[int](#)

Title

Category's title.

```
public string Title { get; set; }
```

Property Value

[string](#)

Class CategoryLinks

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Photo's link to its categories.

```
public class CategoryLinks
```

Inheritance

[object](#) ← CategoryLinks

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Photos

Link to all photos in this category.

```
public string Photos { get; set; }
```

Property Value

[string](#)

Self

Link of this category.

```
public string Self { get; set; }
```

Property Value

string ↗

Class Collection

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Represents a collection of photos.

```
public class Collection : INotifyPropertyChanged
```

Inheritance

[object](#) ← Collection

Implements

[INotifyPropertyChanged](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

CoverPhoto

Collection's cover photo.

```
public Photo CoverPhoto { get; set; }
```

Property Value

[Photo](#)

Description

Collection description.

```
public string Description { get; set; }
```

Property Value

[string](#)

Id

Collection identifier.

```
public string Id { get; set; }
```

Property Value

[string](#)

IsCurated

True if the collection is curated.

```
public bool IsCurated { get; set; }
```

Property Value

[bool](#)

IsFeatured

True if the collection is featured.

```
public bool IsFeatured { get; set; }
```

Property Value

[bool](#)

IsPrivate

True if the collection is private (not publicly visible).

```
public bool IsPrivate { get; set; }
```

Property Value

[bool](#)

Links

Collection links.

```
public CollectionLinks Links { get; set; }
```

Property Value

[CollectionLinks](#)

PublishedAt

Collection publication's date.

```
public string PublishedAt { get; set; }
```

Property Value

[string](#)

ShareKey

Collection's share key.

```
public string ShareKey { get; set; }
```

Property Value

[string](#)

Title

Collection's title.

```
public string Title { get; set; }
```

Property Value

[string](#)

TotalPhotos

Photos count in the collection.

```
public int TotalPhotos { get; set; }
```

Property Value

[int](#)

UpdatedAt

Collection's last update's date.

```
public string UpdatedAt { get; set; }
```

Property Value

[string](#)

User

Collection's user.

```
public User User { get; set; }
```

Property Value

[User](#)

Events

PropertyChanged

Event raised when a property is modified

```
public event PropertyChangedEventHandler? PropertyChanged
```

Event Type

[PropertyChangedEventHandler](#)

Class CollectionLinks

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Collection's link.

```
public class CollectionLinks
```

Inheritance

[object](#) ← CollectionLinks

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Html

HTML location of this collection.

```
public string Html { get; set; }
```

Property Value

[string](#)

Photos

Photo's link in this collection.

```
public string Photos { get; set; }
```

Property Value

[string](#) ↗

Related

Link of related collection's.

```
public string Related { get; set; }
```

Property Value

[string](#) ↗

Self

Link of this collection.

```
public string Self { get; set; }
```

Property Value

[string](#) ↗

Class Exif

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Camera specifications.

```
public class Exif
```

Inheritance

[object](#) ← Exif

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Aperture

Camera's aperture value.

```
public string Aperture { get; set; }
```

Property Value

[string](#)

ExposureTime

Camera's exposure time.

```
public string ExposureTime { get; set; }
```

Property Value

[string](#)

FocalLength

Camera's focal length.

```
public string FocalLength { get; set; }
```

Property Value

[string](#)

Iso

Camera's iso.

```
public int? Iso { get; set; }
```

Property Value

[int](#)?

Make

Camera's brand.

```
public string Make { get; set; }
```

Property Value

[string](#)

Model

Camera's model.

```
public string Model { get; set; }
```

Property Value

[string](#) ↗

Class Location

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

The photo's location.

```
public class Location
```

Inheritance

[object](#) ← Location

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

City

Location's city.

```
public string City { get; set; }
```

Property Value

[string](#)

Country

Location's country.

```
public string Country { get; set; }
```

Property Value

[string ↗](#)

Name

Location's name

```
public string Name { get; set; }
```

Property Value

[string ↗](#)

Position

Location's position (latitude, longitude).

```
public Position Position { get; set; }
```

Property Value

[Position](#)

Title

Full location's name (district + city + country (if available))

```
public string Title { get; set; }
```

Property Value

[string ↗](#)

Class Photo

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Represents a photo class from Unsplash API.

```
public class Photo : INotifyPropertyChanged
```

Inheritance

[object](#) ← Photo

Implements

[INotifyPropertyChanged](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BlurHash

BlurHash Placeholders

```
public string BlurHash { get; set; }
```

Property Value

[string](#)

Categories

Photo's matched categories.

```
public List<Category> Categories { get; set; }
```

Property Value

[List ↗<Category>](#)

Color

The main color composing the photo.

```
public string Color { get; set; }
```

Property Value

[string ↗](#)

CreatedAt

Date indicating when the photo has been created.

```
[JsonPropertyName("created_at")]
public string CreatedAt { get; set; }
```

Property Value

[string ↗](#)

CurrentUserCollection

The photo's collection where the photo is included, if any.

```
public List<Collection> CurrentUserCollection { get; set; }
```

Property Value

[List ↗<Collection>](#)

Description

Photo's description

```
[JsonPropertyName("description")]
public string Description { get; set; }
```

Property Value

[string](#)

Downloads

Downloads count since the photo was created.

```
public int Downloads { get; set; }
```

Property Value

[int](#)

Exif

Camera specifications.

```
public Exif Exif { get; set; }
```

Property Value

[Exif](#)

Height

Photo's height in pixels.

```
public int Height { get; set; }
```

Property Value

[int ↗](#)

Id

Photo's unique identifier composed of Unicode characters.

```
[JsonPropertyName("id")]
public string Id { get; set; }
```

Property Value

[string ↗](#)

IsLikedByUser

Whether the photo has been liked by the current user if a user is logged.

```
public bool IsLikedByUser { get; set; }
```

Property Value

[bool ↗](#)

Likes

Likes count since the photo was created.

```
public int Likes { get; set; }
```

Property Value

[int ↗](#)

Links

Photo's link relations

```
public PhotoLinks Links { get; set; }
```

Property Value

[PhotoLinks](#)

Location

Where the photo has been shot.

```
public Location Location { get; set; }
```

Property Value

[Location](#)

UpdatedAt

Date indicating the last time the photo has been updated.

```
public string UpdatedAt { get; set; }
```

Property Value

[string](#)

Urls

Absolute photo's URLs (for different photo's sizes).

```
public Urls Urls { get; set; }
```

Property Value

[Urls](#)

User

Photo's owner (who's uploaded the content).

```
public User User { get; set; }
```

Property Value

[User](#)

Width

Photo's width in pixels.

```
public int Width { get; set; }
```

Property Value

[int](#)

Events

PropertyChanged

Event raised when a property is modified

```
public event PropertyChangedEventHandler? PropertyChanged
```

Event Type

[PropertyChangedEventHandler](#)

Class PhotoLinks

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Photo's link relations.

```
public class PhotoLinks
```

Inheritance

[object](#) ← PhotoLinks

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Download

Download location of this photo.

```
public string Download { get; set; }
```

Property Value

[string](#)

DownloadLocation

API Download location of this photo (check if direct download).

```
public string DownloadLocation { get; set; }
```

Property Value

[string](#)

Html

HTML location of this photo.

```
public string Html { get; set; }
```

Property Value

[string](#)

Self

API location of this photo.

```
public string Self { get; set; }
```

Property Value

[string](#)

Class PhotoStats

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Photo's statistics.

```
public class PhotoStats
```

Inheritance

[object](#) ← PhotoStats

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Downloads

Photo's downloads statistics.

```
public StatsData Downloads { get; set; }
```

Property Value

[StatsData](#)

Id

Photo's statistics id.

```
public string Id { get; set; }
```

Property Value

[string](#) ↗

Likes

Photo's likes statistics.

```
public StatsData Likes { get; set; }
```

Property Value

[StatsData](#)

Views

Photo's views statistics.

```
public StatsData Views { get; set; }
```

Property Value

[StatsData](#)

Class Position

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Represents a geographical position (latitude, longitude).

```
public class Position
```

Inheritance

[object](#) ← Position

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Latitude

Geographical latitude.

```
public int Latitude { get; set; }
```

Property Value

[int](#)

Longitude

Geographical longitude.

```
public int Longitude { get; set; }
```

Property Value

int ↗

Class ProfileImage

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Profile image at different sizes.

```
public class ProfileImage
```

Inheritance

[object](#) ← ProfileImage

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Large

Large size profile image.

```
public string Large { get; set; }
```

Property Value

[string](#)

Medium

Medium size profile image.

```
public string Medium { get; set; }
```

Property Value

[string ↗](#)

Small

Small size profile image.

```
public string Small { get; set; }
```

Property Value

[string ↗](#)

Class StatsData

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Data statistics.

```
public class StatsData
```

Inheritance

[object](#) ← StatsData

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Historical

Stat's history.

```
public StatsHistorical Historical { get; set; }
```

Property Value

[StatsHistorical](#)

Total

Total count of a specific stat.

```
public int Total { get; set; }
```

Property Value

int ↗

Class StatsHistorical

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Stat's history.

```
public class StatsHistorical
```

Inheritance

[object](#) ← StatsHistorical

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Average

Average number of stat for the past 'quantity' 'resolution' (eg. 30 days).

```
public int Average { get; set; }
```

Property Value

[int](#)

Change

Total number of stat for the past 'quantity' 'resolution' (eg. 30 days).

```
public double Change { get; set; }
```

Property Value

[double](#)

Quantity

The amount of for each stat.

```
public int Quantity { get; set; }
```

Property Value

[int](#)

Resolution

The frequency of the stats.

```
public string Resolution { get; set; }
```

Property Value

[string](#)

Values

List of data sets.

```
public List<StatsValue> Values { get; set; }
```

Property Value

[List](#)<[StatsValue](#)>

Class StatsValue

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

A data set.

```
public class StatsValue
```

Inheritance

[object](#) ← StatsValue

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Date

Stat's date.

```
public string Date { get; set; }
```

Property Value

[string](#)

Value

Stat's value.

```
public double Value { get; set; }
```

Property Value

double ↗

Class UnsplashMonthlyStats

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Unsplash statistics counts for the past 30 days.

```
public class UnsplashMonthlyStats
```

Inheritance

[object](#) ← UnsplashMonthlyStats

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Downloads

Past 30 days downloads count.

```
public double Downloads { get; set; }
```

Property Value

[double](#)

Likes

Past 30 days likes count.

```
public double Likes { get; set; }
```

Property Value

[double](#)

NewApplications

Past 30 days new applications count.

```
public int NewApplications { get; set; }
```

Property Value

[int](#)

NewDevelopers

Past 30 days new developers count.

```
public int NewDevelopers { get; set; }
```

Property Value

[int](#)

NewPhotographers

Past 30 days new photographers count.

```
public double NewPhotographers { get; set; }
```

Property Value

[double](#)

NewPhotos

Past 30 days new photos count.

```
public double NewPhotos { get; set; }
```

Property Value

[double ↗](#)

NewPixels

Past 30 days new pixels count.

```
public double NewPixels { get; set; }
```

Property Value

[double ↗](#)

NewRequests

Past 30 days new requests count.

```
public double NewRequests { get; set; }
```

Property Value

[double ↗](#)

Views

Past 30 days views count.

```
public double Views { get; set; }
```

Property Value

[double ↗](#)

Class UnsplashTotalStats

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Unsplash statistics counts.

```
public class UnsplashTotalStats
```

Inheritance

[object](#) ← UnsplashTotalStats

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Applications

All applications.

```
public int Applications { get; set; }
```

Property Value

[int](#)

Developers

All developeres.

```
public int Developers { get; set; }
```

Property Value

[int ↗](#)

Downloads

All photos downloads.

```
public double Downloads { get; set; }
```

Property Value

[double ↗](#)

DownloadsPerSecond

Average number of downloads per second for the past 7 days.

```
public double DownloadsPerSecond { get; set; }
```

Property Value

[double ↗](#)

Likes

All photos likes.

```
public double Likes { get; set; }
```

Property Value

[double ↗](#)

Photographers

All photographers.

```
public double Photographers { get; set; }
```

Property Value

[double ↗](#)

Photos

All available photos.

```
public double Photos { get; set; }
```

Property Value

[double ↗](#)

Pixels

All pixels.

```
public double Pixels { get; set; }
```

Property Value

[double ↗](#)

Requests

All requests.

```
public double Requests { get; set; }
```

Property Value

[double ↗](#)

Views

All photos views.

```
public double Views { get; set; }
```

Property Value

[double](#)

ViewsPerSecond

Average number of views per second for the past 7 days.

```
public double ViewsPerSecond { get; set; }
```

Property Value

[double](#)

ClassUrls

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Photo's URLs linking to the direct photo (full screen).

```
public class Urls
```

Inheritance

[object](#) ← Urls

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Custom

URL linking to the photo in a custom size if specified by the user.

```
public string Custom { get; set; }
```

Property Value

[string](#)

Full

URL linking to the photo in a large size.

```
public string Full { get; set; }
```

Property Value

[string](#)

Raw

URL linking to the photo in native resolution and uncompressed.

```
public string Raw { get; set; }
```

Property Value

[string](#)

Regular

URL linking to the photo in a medium size.

```
public string Regular { get; set; }
```

Property Value

[string](#)

Small

URL linking to the photo in a small size.

```
public string Small { get; set; }
```

Property Value

[string](#)

Thumbnail

URL linking to the photo in a thumbnail size.

```
public string Thumbnail { get; set; }
```

Property Value

[string](#) ↗

Class User

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

Represents an user class from Unsplash API.

```
public class User : INotifyPropertyChanged
```

Inheritance

[object](#) ← User

Implements

[INotifyPropertyChanged](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Badge

User's badge

```
public Badge Badge { get; set; }
```

Property Value

[Badge](#)

Bio

About/bio.

```
public string Bio { get; set; }
```

PropertyValue

[string](#)

Downloads

Downloads count

```
public int Downloads { get; set; }
```

PropertyValue

[int](#)

FirstName

User's first name.

```
public string FirstName { get; set; }
```

PropertyValue

[string](#)

FollowedByUser

True if the current authentified user follows this user

```
public bool FollowedByUser { get; set; }
```

PropertyValue

[bool](#)

FollowersCount

User followers count

```
public int FollowersCount { get; set; }
```

Property Value

[int ↗](#)

FollowingCount

Users following count

```
public int FollowingCount { get; set; }
```

Property Value

[int ↗](#)

Id

Unique user's identifier

```
public string Id { get; set; }
```

Property Value

[string ↗](#)

LastName

User's last name.

```
public string LastName { get; set; }
```

Property Value

[string](#)

Links

User's link relations

```
public UserLinks Links { get; set; }
```

Property Value

[UserLinks](#)

Location

User's location

```
public string Location { get; set; }
```

Property Value

[string](#)

Name

User's name

```
public string Name { get; set; }
```

Property Value

[string](#)

PortfolioUrl

Portfolio/personal URL.

```
public string PortfolioUrl { get; set; }
```

Property Value

[string](#) ↗

ProfileImage

User's avatar

```
public ProfileImage ProfileImage { get; set; }
```

Property Value

[ProfileImage](#)

TotalCollections

User's collections count

```
public int TotalCollections { get; set; }
```

Property Value

[int](#) ↗

TotalLikes

User's liked photos count

```
public int TotalLikes { get; set; }
```

Property Value

[int](#) ↗

TotalPhotos

User's photo count

```
public int TotalPhotos { get; set; }
```

Property Value

[int](#)

TwitterUsername

User's twitter username

```
public string TwitterUsername { get; set; }
```

PropertyValue

[string](#)

UpdatedAt

Last user profile update

```
public string UpdatedAt { get; set; }
```

PropertyValue

[string](#)

Username

User's name

```
public string Username { get; set; }
```

Property Value

[string ↗](#)

Events

PropertyChanged

Event raised when a property is modified

```
public event PropertyChangedEventHandler? PropertyChanged
```

Event Type

[PropertyChangedEventHandler ↗](#)

Class UserLinks

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

User's link relations.

```
public class UserLinks
```

Inheritance

[object](#) ← UserLinks

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Html

HTML location of this user.

```
public string Html { get; set; }
```

Property Value

[string](#)

Likes

API location of this user's liked photo.

```
public string Likes { get; set; }
```

Property Value

[string](#)

Photos

API location of this user's photo.

```
public string Photos { get; set; }
```

Property Value

[string](#)

Portfolio

API location of this user's portfolio.

```
public string Portfolio { get; set; }
```

Property Value

[string](#)

Self

API location of this user.

```
public string Self { get; set; }
```

Property Value

[string](#)

Class UserStats

Namespace: [UnsplashSharp.Models](#)

Assembly: UnsplashSharp.dll

User's statistics.

```
public class UserStats
```

Inheritance

[object](#) ← UserStats

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Downloads

User's downloads statistics.

```
public StatsData Downloads { get; set; }
```

Property Value

[StatsData](#)

Likes

User's likes statistics.

```
public StatsData Likes { get; set; }
```

Property Value

StatsData

Username

User's username.

```
public string Username { get; set; }
```

Property Value

[string](#) ↗

Views

User's views statistics.

```
public StatsData Views { get; set; }
```

Property Value

[StatsData](#)