**GoodBreaksTypes.Break Class**

Implements: ICommentable, INotifyPropertyChanged

Properties:

* PartitionKey (string)
* RowKey (string)
* Name (string)
* Latitude (double)
* Longitude (double)
* Region (string)
* CommentsAboutMe (GoodBreaksTypes.SortedCommentList)
* ThereNow (ICollection<GoodBreaksTypes.Surfer>)

Constructors

* Default Constructor
* Break(string breakName, double locLatitude, double locLongitude, string region)

Methods

* void AddComment(GoodBreaksTypes.Comment comment)

**Breaks API**

API Location:

<http://staginggoodbreaks.cloudapp.net:8080/api/breaks>

This is the URI to use for all requests to the Breaks API. Parameters are added to the end of this URL, as follows:

<http://staginggoodbreaks.cloudapp.net:8080/api/breaks?breakPK=USWC&breakRK=bre-12>

API Verbs:

**GET**

1. Get a specific break
   1. URI Parameters: breakPK, breakRK
   2. Body Parameters: none
   3. Example: <http://staginggoodbreaks.cloudapp.net:8080/api/breaks?breakPK=USWC&breakRK=bre-12>
2. Get all breaks in a partition
   1. URI Parameters: partitionKey
   2. Body Parameters: none
   3. Example: <http://staginggoodbreaks.cloudapp.net:8080/api/breaks?partitionKey=USWC>
   4. Use partition USWC to get sample data

**POST**

1. Create a new break record
   1. URI Parameters: none
   2. Body Parameters: break record, JSON format.
   3. Example:
      1. URI: [http://staginggoodbreaks.cloudapp.net:8080/api/breaks](http://staginggoodbreaks.cloudapp.net:8080/api/breaks?partitionKey=USWC)
      2. JSON: {"PartitionKey":"USWC","RowKey":"bre-5d3f53c7-d581-4dd0-b458-43ee60b98977","Name":"Trestles","Latitude":90.0,"Longitude":11.0,"Region":"USWC","CommentsAboutMe":{"Comments":[]},"ThereNow":[]}

**PUT**

1. Upsert a break record - if the PartitionKey/RowKey combo exists, update it with the values in the break passed in the body of the request. If it does not exist, create it.
   1. URI Parameters: none
   2. Body Parameters: break record, JSON format.
   3. Example:
      1. URI: [http://staginggoodbreaks.cloudapp.net:8080/api/breaks](http://staginggoodbreaks.cloudapp.net:8080/api/breaks?partitionKey=USWC)
      2. JSON: {"PartitionKey":"USWC","RowKey":"bre-5d3f53c7-d581-4dd0-b458-43ee60b98977","Name":"Trestles","Latitude":90.0,"Longitude":11.0,"Region":"USWC","CommentsAboutMe":{"Comments":[]},"ThereNow":[]}

**DELETE**

1. Delete a break record.
   1. URI Parameters: none
   2. Body Parameters: break record, JSON format.
   3. Example:
      1. URI: [http://staginggoodbreaks.cloudapp.net:8080/api/breaks](http://staginggoodbreaks.cloudapp.net:8080/api/breaks?partitionKey=USWC)
      2. JSON: {"PartitionKey":"USWC","RowKey":"bre-5d3f53c7-d581-4dd0-b458-43ee60b98977","Name":"Trestles","Latitude":90.0,"Longitude":11.0,"Region":"USWC","CommentsAboutMe":{"Comments":[]},"ThereNow":[]}