

RESTful API for Jackelo

	GET (retrieve)	PUT (replace/edit)	POST (new)	DELETE (remove)
/api/event	Get all events with default sorting (date)		Create new event	
/api/event/{category:id}	Get all events for given category ID			
/api/event/{country:id}	Get all events for given country ID			
/api/event/{type:id} Type: <i>none</i> /events, local, GTL, trip, info	Get all (info) events, defaults to all non-info events			
/api/event/{start:#}	Specify offset for results			
/api/event/{limit:#}	Specify number of results to get			
/api/event/group	Get all events grouped by country (for map view)			
/api/event/count	Get the number of info and non-info events (total)			
/api/event/eventID	Get event data with given ID	Update event data with given ID		Delete event with given ID
/api/event/eventID/simple	Get event data with given ID (simple info)			
/api/event/eventID/attendants	Get list of all attendants to event		Join event for current user	Unjoin from event (current user)
/api/event/eventID/comments	Get all comments for event		Create new comment	
/api/event/eventID/comments/commentID	Get comment data for given comment ID			Delete comment with given ID
/api/country	Get list all countries			
/api/country/countryID	Get info for country ID			
/api/country/countryID/city	Get list of cities for country ID		Create new city in country ID	
/api/country/countryID/city/filter/string	Get cities matching string supplied (for given country ID)			
/api/country/countryID/city/cityID	Get info for city ID			
/api/user	Get all info for current user			
/api/user/userID	Get public info for user ID			
/api/category	Get all categories		Create new category	
/api/category/filter/string	Get categories matching string supplied			
/api/category/categoryID	Get category with category ID			
/api/type/	Get all event types			
/api/type/eventTypeID	Get event type for this eventTypeID			

RESTful API Call Examples

Type	API Call	Description
GET	/api/event/category/3/country/82/type/3/start/10/limit/5/	Select 5 events starting at event #10 that are labeled with category #3 and have a destination in country #82 with type #3
POST	/api/event/26/attendants	Joins current user ID to event #26
DELETE	/api/event/26/attendants	Unjoins current user ID from event #26
GET	/api/category/filter/Ski	Returns all categories containing the string "Ski"

HTTP Status Codes

Code (Number)	Code (Textual)	Description
200	Success (OK)	Results returned as requested
201	Created	A resource was created as requested
400	Bad request	Your request was incorrect / invalid / malformed
403	Forbidden	You do not have the permissions required
404	Not found	API error
500	Internal error	Internal problem (e.g., database, etc.)

File system Structures

Directory	Type	Description	Code Language(s)
/android/	<i>Android App source code</i>	Android App source code	Java
/dev.m.jackelo/	<i>Web app code</i>	GTDevHub code needed for GT-Login	PHP, JavaScript
/jackelow.gjye.com/	<i>Website source code</i>	Root directory contains Website source code	PHP, HTML5, CSS3, JavaScript
/jackelow.gjye.com/api/	<i>API source code</i>	Jackelo RESTful API source code	PHP, JSON
/jackelow.gjye.com/login/	<i>Web App source code</i>	User login front-end	PHP, HTML5, CSS3
/jackelow.gjye.com/webapp/	<i>Web App source code</i>	Web App source code	PHP, HTML5, CSS3, JavaScript

Database Structures

Attendants

id	eventID	userID
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Events

id	name	datetimeStart	datetimeEnd	description	ownerID	eventTypeID	lastUpdated
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Event Categories

id	eventID	categoryID
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Event Destinations

id	eventID	address	datetimeStart	datetimeEnd	cityID
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Comments

id	eventID	ownerID	datetime	message
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Categories = {Ski trip, Night out, Dinner, Tennis, etc.}

id	name
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Event Types = {Local event, GTL event, Trip, Informational, Sponsored}

id	name
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Cities

id	countryID	name	latitude	longitude	thumb
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Countries

id	name	latitude	longitude
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Sessions

id	userID	datetime	ip
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Users

id	username	networkID	email	name	surname	premium	created
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Networks = {GT, guest, demo, etc.}

id	name_short	name
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