

# Design Engine REST API

World Design Capital 2014

May 5, 2014

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## 1 Projects

Projects represent the bulk of the data available in the design engine data available. Only requests of HTTP method GET are allowed, because this is a read-only implementation to share all freely available data. JSON is the default and only format returned. Naming conventions follow camelCase.

### 1.1 Resource

`/api/projects/` returns a list of projects, which are by default, ordered by last edited. `/api/projects/341` returns a specific project, with internal ID of 341.

## 1.2 Fields

The following fields are available to generate a JSON object with only certain data. Unless indicated, assume fields to be of type: String. All dates are formatted as “yyyy-MM-dd HH:mm”. The default list of fields used, if no fields are listed as parameters are: id, name, description, cluster, clusterFormatted, wdcHashtag, bucket, website, logo, featuredImage, timestamp. Parameter “fields” takes a comma-delimited list of fields below, and will only list this information. If fields is set to “all”, the response will contain all fields available below.

eg. `/api/projects/?fields=id,name,wdcHashtag,description,images`

eg. `/api/projects/?fields=all`

- id - unique id of the project (integer)
- name - title of the project
- wdcHashtag - this is a hashtag string used to identify a project or project association (format: “#wdc123”)
- description - short description of the project. this will never be longer than 139 characters
- story - richtext main content about the project. IMPORTANT: this data field will contain html code tags
- cluster - these will only be one of the following: "lifestyle", "community", "connectedness", "sustainability", "business", "education"
- clusterFormatted - these are formatted for display, as per the full name of each cluster: "Lifestyle", "Community Improvement", "Connections That Unite", "Sustainability Solutions", "Business Solutions", and "Education That Elevates"
- type - type of project
- logo - project image logo url
- images - list of image urls
- featuredImage - the featured image, out of the list of images
- bucket - subgrouping under cluster, for another type of filter, if needed
- website - official project website url
- result - result so far of the project
- venueName - name of the venue
- address - address of project
- latitude - google maps latitude (format: decimal)

- longitude - google maps longitude (format: decimal)
- dateRange - a date range associated with the project (format: “yyyy-MM-dd HH:mm”)
- overview - overview description
- owner - owner’s details
- contactEmail - contact email
- contactNumber - contact telephone/cellphone number
- qa - questions and answers information, about the project
- eventDate - main event date (format “yyyy-MM-dd HH:mm”)
- social - list of social profiles and urls associated with the project. listed network fields: facebook, twitter, googleplus, instagram, pinterest, youtube, linkedin
- establishedProject - new or established project (true/false)
- needFunding - does the project need funding (true/false)
- fundingDescription - if funding is needed, the description of that funding
- spotlight - is the project a spotlight project, ie. is it featured on the home page wdc14.com
- timestamp - the last date that the project was updated (format: “yyyy-MM-dd HH:mm”)
- tags - a list of tags that have been associated with this project
- sponsors - list of sponsors of the project, containing name and url
- testimonials - list of quotes by people about the project
- collaborators - list of collaborators. name only
- milestones - list of milestones or goals that the project is measured by
- videos - list of videos. these list the id, video hosting type (youtube, viddler, vimeo), and the 3rd party id that the video host is using
- latestVideo - latest video that was added

### 1.3 Searching

Searching is only supported against the field “name”, with the use of parameter “q”. For additional types of searches, the developer should implement their own custom search, based on an api call using the “fields” parameter.

eg. `/api/projects/?q=design`

Of course, you can combine a search with the “fields” parameter to return a more customised response

eg. `/api/projects/?q=design&fields=id,name,clusterFormatted,featuredImage`

### 1.4 Filter

These are specific parameters for searching across “cluster”, “wdcHashtag”, “bucket”, and “tags”.

eg. `/api/projects/?cluster=connectedness`

Clusters need to match those listed for clusters above. It will still match, if partial matches are used.

eg. `/api/projects/?wdcHashtag=341`

wdcHashtag filters actually perform a partial string match, meaning you can search for 41, and it will return all projects with hashtag, that contain 41 in it’s hashtag.

eg. `/api/projects/?bucket=social`

eg. `/api/projects/?tags=tag`

### 1.5 Sorting

Lists are sorted by last updated. They can also be sorted by “name” and “wdcHashtag”, ascending. Prepend “-” for descending.

eg. `/api/projects/?sort=-name`

eg. `/api/projects/?sort=wdcHashtag`

### 1.6 Pagination

All responses offer pagination by fields “page” (page number) and “perPage” (page size). If perPage is not set, it will default to 30. If no page is set, it will default to page 1. The maximum per page allowed is 50.

eg. `/api/projects/` with the general list query, you should see a size field returned in the JSON object, which should be 30

eg. `/api/projects/?perPage=50` this would return 50 results

eg. `/api/projects/?page=3` return page 3 and paginate by default 30 page size

eg. `/api/projects/?page=5&perPage=12` return 12 projects on page 5

### 1.7 More Options

A “prettified” version of the result JSON is also offered, using parameter `pretty=true`. Tab spacing is set to 4.

eg. `/api/projects/?pretty=true`

## 2 Events

Events are available, but only requests of HTTP method GET are allowed. JSON is the default and only format returned. Naming conventions follow camelCase.

### 2.1 Resource

`/api/events/` returns a list of events. `/api/events/33` returns the specific event information, with the internal ID of 33.

### 2.2 Fields

The following fields are available to generate a JSON object with only certain data. Unless indicated, assume fields to be of type: String. All dates are formatted as “yyyy-MM-dd HH:mm”. The default list of fields used, if no fields are listed as parameters are: id, name, description, wdcHashtag, cluster, timestamp, startDate, endDate. Parameter “fields” takes a comma-delimited list of fields below, and will only list this information. If fields is set to “all”, the response will contain all fields available below.

eg. `/api/events/?fields=id,name,startDate`

eg. `/api/events/?fields=all`

- id - unique id of the event (integer)
- name - title of the event
- description - short description of the event. this will never be longer than 139 characters
- type - type of event
- venue - name of the venue
- address - address of project
- latitude - google maps latitude (format: decimal)
- longitude - google maps longitude (format: decimal)
- wdcHashtag - this is a hashtag string used to identify a event or event association (format: “#wdc123”)
- website - official event website url
- cluster - these will only be one of the following: "lifestyle", "community", "connectedness", "sustainability", "business", "education"

- logo - project image logo url
- timestamp - the last date that the event was updated (format: “yyyy-MM-dd HH:mm”)
- associatedProjects - list of associated projects, containing id, name, wdcHashtag and queryUrl
- startDate - event start date (format: “yyyy-MM-dd HH:mm”)
- endDate - event end date (format: “yyyy-MM-dd HH:mm”)
- sponsors - list of sponsors of the event, containing name and url

## 2.3 Searching

Searching is only supported against the field “name”, with the use of parameter “q”. For additional types of searches, the developer should implement their own custom search, based on an api call using the “fields” parameter.

eg. `/api/events/?q=design`

Of course, you can combine a search with the “fields” parameter to return a more customised response

eg. `/api/events/?q=design&fields=id,name,startDate`

## 2.4 Filter

These are specific parameters for searching across “cluster” and “wdcHashtag”.

eg. `/api/events/?cluster=connectedness`

Clusters need to match those listed for clusters above. It will still match, if partial matches are used.

eg. `/api/events/?wdcHashtag=41`

wdcHashtag filters actually perform a partial string match, meaning you can search for 41, and it will return all events with hashtag, that contain 41 in it’s hashtag.

## 2.5 Sorting

Lists are sorted by last updated. They can also be sorted by “name”, “wdcHashtag”, “startDate”, and “endDate”, ascending. Prepend “-” for descending.

eg. `/api/events/?sort=-name`

eg. `/api/events/?sort=wdcHashtag`

eg. `/api/events/?fields=id,name,startDate&sort=-startDate`

## 2.6 Pagination

All responses offer pagination by fields “page” (page number) and “perPage” (page size). If perPage is not set, it will default to 30. If no page is set, it will default to page 1. The maximum per page allowed is 50.

eg. `/api/events/` with the general list query, you should see a size field returned in the JSON object, which should be 30

eg. `/api/events/?perPage=50` this would return 50 results

eg. `/api/events/?page=3` return page 3 and paginate by default 30 page size

eg. `/api/events/?page=5&perPage=12` return 12 events on page 5

## 2.7 More Options

A “prettified” version of the result JSON is also offered, using parameter `pretty=true`. Tab spacing is set to 4.

eg. `/api/events/?pretty=true`

## 3 News

Due to the news source being an rss feed, running from a 3rd party blog domain, the options aren’t as extensive as projects and events.

### 3.1 Resource

`/api/news/` returns a list of news articles. `/api/news/738` returns the news article with postId 738.

### 3.2 Pagination

All responses offer pagination by fields “page” (page number) and “perPage” (page size). If perPage is not set, it will default to 5. If no page is set, it will default to page 1. The maximum per page allowed is 10.

eg. `/api/news/` with the general list query, you should see a size field returned in the JSON object, which should be 5

eg. `/api/news/?perPage=10` this would return 10 results

eg. `/api/news/?page=3` return page 3 and paginate by default 5 page size

eg. `/api/news/?page=5&perPage=8` return 8 events on page 5