GiftingNetwork REST API Requirement Document – v1.0

Prepared By:

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API Requirement Document

Document Information

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1.)Overview

This document focuses on different APIs being developed for GiftingNetwork. These APIs will be used by the API users to get the desired data.

2.)Scope

The user can have the access to the data using the search and GET API methods mentioned in subsequent sections. The list of parameters mentioned in different sections can be used as query strings to perform search.

3.)Target Audience for the document

This document is designed completely for the development team. The team members can edit/modify or add the information after internal discussion.

4.) Reference Document

The document GN-API-Overview has been used as a reference document.

5.) Authentication

1. The authentication is based on the Bearer access-token architecture.
2. To authenticate the API user we have implemented the Bearer authentication (token authentication).
3. The access-token can be acquired by using the Login API URL.
4. To login, the user has to have the contact type set as **API User** in GN client database.
5. The user shall not be granted access if he or she is not assigned the **API User** contact type.
6. The access-token has to be passed into the API request to access any data API.

6.) Request for Login

6.1 Query parameter for Login

S.No	Query Parameters	Type	Mandatory
1	Username	string	Yes
2	Password	string	Yes
3	Client_id	String	Yes

6.2 Response - Objects and Parameters

S.No	Objects	Parameters	Type
1	Access_token		String
2	Expiry_time		String
3	Status	1	string

7.) Request for Logout

7.1 Query parameter for Logout

S.No	Query Parameters	Type	Mandatory
1	Bearer: {Access_token}	String	Yes

7.2 Response - Objects and Parameters

S.No	Objects	Parameters	Type
1	Status	1	String

8.) Request for contacts

8.1 Query parameter for GET – Contacts

S.No	Query Parameters	Type	Mandatory
1	Contact_id	integer	Yes

8.2 Query parameters for Search – Contacts

S.No	Query Parameters	Type	Mandatory
1	deceased	string	No
2	dob	date	No
3	first_name	string	No
4	last_name	string	No
5	last_updated	date	No
6	email_address	string	No
7	fund_id	string	No
8	contact_type	string	No
9	City	string	No
10	State	string	No
11	Country	string	No
12	Zip	string	No

8.3 Response - Objects and Parameters

S.No	Objects	Objects/Parameters – L1	Parameters – L2	Type
1	contact			
		contact_id		Integer
		being_reviewed		String

		created_on		Date
		deceased		String
		dob		Date
		dod		Date
		ethnicity		String
		first_name		String
		gender		String
		last_name		String
		last_updated		Date
		last_updated_by		integer
		middle_name		String
		prefix		String
		religion		String
		suffix1		String
		suffix2		String
		title		String
		volunteerism		String
		web_site		String
2		**Address**		**List**
			contact_address_id	String
			address_1	String
			address_2	String
			address_type	String
			city	String
			country	String
			county	String
			last_updated	Date
			state	String
			zip	String
3		**Phone**		**List**
			contact_phone_id	String
			extension	String
			phone_number	String
			phone_type	String
4		**email**		**List**
			email_address_id	String
			email_address	String
			email_address_name	String
			is_primary	String
5		**contact_type**		
			contact_type	String

8.3.1   Response – contacts with Funds

S.No	Objects	Objects/Parameters – L1	Parameters – L2	Type
6		**Fund**		List
			Establisher	string
			fund_id	string
			make_grant_recommendation	string
			Viewable	string

8.3.2   Response - contacts with organizations

S. No.	Objects	Objects/Parameters – L1	Objects/Parameters – L2	Type
6		**organization**		List
			organization_id	String
			name	String

Note:

While using the GET contact endpoint, display the organization or fund block (whichever applicable) based on the contact id or search parameter(s).

9.) Request for organizations

9.1 Query parameter for GET – Organizations

S.No	Query Parameters	Type	Mandatory
1	organization_id	string	Yes

9.2 Query parameters for Search – Organizations

S.No	Query Parameter	Type	Mandatory
1	date_reviewed	Date	No
2	Ein	String	No
3	last_updated	Date	No
4	Name	String	No
5	Reviewed	String	No
6	Status	String	No
7	Visible	String	No
8	allow_recommendation	String	No

9	phone_number	Integer	No
10	City	String	No
11	Country	String	No
12	County	String	No
13	State	String	No
14	Zip	String	No

9.3 Response - Objects and Parameters

S.No	Objects	Objects/Parameters - L1	Parameters – L2	type
1	organization			
		organization_id		string
		annual_operating_revenue		string
		created_on		date
		date_reviewed		date
		ein		string
		grantee_type_1		string
		grantee_type_2		string
		grantee_type_3		string
		guidestar_link		string
		history		string
		irs_name		string
		last_updated		date
		last_updated_by		integer
		min_donation		string
		name		string
		reviewed		string
		status		string
		visible		string
		web_site		string
		year_established		string
		allow_recommendation		string
		org_type		string
2		Addresses		List
			organization_address_id	string
			address_1	string
			address_2	string
			address_type	string
			city	string
			country	string
			county	string

			last_updated	date
			state	string
			zip	string
3		**Phone**		**List**
			organization_phone_id	string
			extension	string
			is_cell	string
			is_fax	string
			phone_number	string
			phone_type	string
4		**email**		**List**
			email_address_id	string
			email_address	string
			email_address_name	string
			is_primary	string
5		**Contacts**		**List**
			contact_id	integer
			First_name	string
			Last_name	string

10.)   Request for Grant Recommendations

10.1 Query parameters for GET – Recommendations

S.No	Query Parameter	Type	Mandatory
1	recommendation_id	string	Yes

10.2   Query parameters for Search – Recommendations

S.No	Query Parameter	Type	Mandatory
1	start_date	Date	No
2	end_date	Date	No
3	contact_id	Integer	No
4	fund_id	String	No
5	organization_id	String	No
6	Name	string	No

7	is_approved	string	No	
8	Status	string	No	
9	approved_date	date	No	
10	Ein	string	No	
11	State	string	No	
12	Zip	String	No	

10.3   Response – Objects and Parameters

S. No.	Objects	Objects/Parameters - L1	Parameters - L2	Type
1	recommendation			
		recommendation_id		string
		contact_id		integer
		Amount		string
		Anonymous		string
		date_submitted		date
		fund_id		string
		grant_purpose		string
		Notes		string
		payment_schedule		string
		is_approved		string
		Status		string
		last_updated		date
		approved_date		date
2	organization			List
		organization_id		string
		org_address1		string
		org_address2		string
		org_city		string
		org_name		string
		org_state		string
		org_zip		string
2.1		Contact		
			primary_contact_id	string
			contact_name	string
			contact_phone	string
			contact_title	string

11.)   Request for Funds

11.1 Query parameters for GET – Funds

S.No	Query Parameter	Type	Mandatory
1	fund_id	String	Yes

11.2 Query parameters for Search – Funds

S.No	Query Parameter	Type	Mandatory
1	fund_type	String	No
2	name	String	No

11.3 Response – Objects and Parameters

S. No.	Objects	Parameters	Type
1	Fund		List
		fund_id	string
		anonymous	string
		balance	string
		begin_balance	string
		closed	string
		date_established	date
		description	string
		end_balance	string
		fund_type	string
		grant_rec_type	string
		investment_month	string
		investment_performance	string
		is_locked	string
		last_updated	date
		min_donation	string
		name	string
		pool_id	string
		pool_name	string
		trustee	string
		trustee_id	string
		account_id	string
		statement_balance	string
		fund_privacy	string

12.) Request for Fund Gift History

12.1 Query parameters for GET - Gift History

S.No	Query Parameter	Type	Mandatory
1	gift_id	string	Yes

12.2 Query parameters for Search – Gift History

S.No	Query Parameter	Type	Mandatory
2	Donor	string	No
3	gift_date	date	No
4	fund_id	string	No
5	Status	string	No
6	is_interfund	string	No
7	transaction_type	string	No

12.3 Response – Objects and Parameters

S. No.	Objects	Parameter	Type
	gift-history		**List**
		gift_id	string
		Amount	string
		date_entered	string
		Donor	string
		fund_id	string
		gift_date	date
		proposal_name	string
		adjustment_no	string
		Status	string
		is_interfund	string
		transaction_type	string

13.) Request for Fund Grant History

13.1 Query parameters for GET - Grant History

S.No	Query Parameter	Type	Mandatory
1	grant_id	String	Yes

13.2 Query parameters for Search – Grant History

S.No	Query Parameter	Type	Mandatory
2	donor_id	Integer	No
3	Grantee	String	No
4	fund_id	String	No
5	Status	String	No
6	grant_date	Date	No
7	organization_id	String	No
8	payment_date	Date	No

13.3 Response – Objects and Parameters

S. No.	Objects	Parameters	Type
1	grant-history		List
		grant_id	String
		Amount	String
		date_entered	Date
		donor_id	String
		fund_id	String
		Grantee	String
		grant_date	Date
		organization_id	String
		payment_date	Date
		payment_no	String
		Status	String
		created_on	Date
		grant_id	String
		amount_paid	String
		grant_description	String

14.)   Request for Fund Statements

14.1 Query parameters for GET - Fund Statement

S.No	Query Parameter	Type	Mandatory
1	statement_id	string	Yes

14.2 Query parameters for Search – Fund Statement

S.No	Query Parameter	Type	Mandatory
1	start_date	Date	No
2	end_date	Date	No
3	fund_id	String	No
4	fund_name	String	No
5	account_number	String	No

14.3 Response – Objects and Parameters

S.No.	Objects	Parameters	Type
	fund-statement		
		statement_id	string
		date_entered	string
		description	string
		end_period	date
		fund_id	string
		fund_name	string
		start_period	date
		statement_file	string
		statement_name	string
		securities_found	string
		available_to_fund	string
		from_date	date
		division_name	string
		title	string
		fund_type	string
		fundsortname	string
		statement_description	string
		thru_date	date
		fund_subtype	string

		staffname	string
		salutation	string
		account_number	string
		poolcash	string
	Fund_data	Key:value	string

Notes:

1.) *There are other various fields that are supposed to be included in this list. Since they are dynamic in nature, it is not possible to add all the fields.*
2.) *Return all if no search parameter(s) is/are passed.*
3.) *Consider all the parameters in lower case.*