|  |
| --- |
| SIMPLE VOTING |
| API DOCUMENT |
|  |

|  |  |  |
| --- | --- | --- |
| Date | Who | Content |
| 2020/1/31 | David | Init documentation |
|  |  |  |
|  |  |  |

|  |
| --- |
| Administrator |

Contents

[Special Statement 2](#_Toc31472150)

[Important 2](#_Toc31472151)

[Authorization method 2](#_Toc31472152)

[1. User related request 3](#_Toc31472153)

[1.1 Request new user token 3](#_Toc31472154)

[1.2 Check user token 3](#_Toc31472155)

[1.3 Renew user token 4](#_Toc31472156)

[2. Campaign related request 5](#_Toc31472157)

[2.1 Request all campaigns 5](#_Toc31472158)

[2.2 Create new campaign 6](#_Toc31472159)

[2.3 Request all campaigns which is started 7](#_Toc31472160)

[2.4 Request all campaigns which is ended 8](#_Toc31472161)

[3. Vote related request 10](#_Toc31472162)

[3.1 Request all voted with one candidate 10](#_Toc31472163)

[3.2 Vote a campaign 10](#_Toc31472164)

[4. Models list 13](#_Toc31472165)

[4.1 User 13](#_Toc31472166)

[4.2 Campaign 13](#_Toc31472167)

[4.3 Vote 13](#_Toc31472168)

Special Statement

The information contained in this document pertains to trade secrets and to the technologies and products covered in this document. The Company owns its patents (or is applying for patents), including copyrights or other intellectual property rights in the trademarks.

No part of this document may be accessed or held in any form by any person without the prior written consent of the Company and may not use part or all the contents of this document.

Changes in this document may be subject to change without notice.

Important

The request is an HTTP/HTTPS protocol request, the user can get/post/put/patch request. Please use UTF-8 encoding and pay attention to Error response.

Authorization method

Once the user got the token, each subsequent request will include the JWT, allowing the user to access routes, services, and resources that are permitted with that token. The token will expire after 1 hour and user must renew the token.

1. User related request

1.1 Request new user token

Description: For who is the first time to get token, default expire time is 1 hour.

Request

* method: post
* type: JSON
* URL: /api/user

Parameters list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| hkid | String | User HKID |

* example:

{

hkid: “X1234567”

}

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| user | Object | Contain user token |

user details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| token | String | Token for further use (Authentication) |

* example:

{

error: false,

user: {

token: “xxxxxxxxxxxxxxxxxxxx”

}

}

1.2 Check user token

Description: For who want to check token is valid or not

Request

* method: patch
* type: JSON
* URL: /api/user

Parameters list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| hkid | String | User HKID |
| token | String | User token generate from server |

* example:

{

hkid: “xxxxxxxxxxxxxxxxxxxx”

token: “xxxxxxxxxxxxxxxxxxxx”

}

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| message | String | Message about the token |

* example:

{

error: false,

message: “Your token has not expired.”

}

1.3 Renew user token

Description: For who want to renew token

Request

* method: put
* type: JSON
* URL: /api/user

Parameters list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| hkid | String | User HKID |
| token | String | User token generate from server |

* example:

{

hkid: “X1234567”,

token: “xxxxxxxxxxxxxxxxxxxx”

}

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| message | String | Message about the process(null if error is false) |
| user | Object | Contain user token |

user details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| token | String | Token for further use (Authentication) |

* example:

{

error: false,

user: {

token: “xxxxxxxxxxxxxxxxxxxx”

}

}

1. Campaign related request

2.1 Request all campaigns

Description: For who want to get all campaign

Request

* method: get
* type: JSON
* URL: /api/campaign

Parameters list: None

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| campaigns | Array of Object | Contain all campaigns |

campaign details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

* example:

{

error: false,

campaigns: [

{

\_id: “xxxxxxxxxxxxxxxxxxxx”,

title: “xxxxxxxxxxxxxxxxxxxx”,

description: “xxxxxxxxxxxxxxxxxxxx”,

start: “xxxxxxxxxxxxxxxxxxxx”,

end: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”,

options: [

{

option: “option1”,

voted: 10

},

{

option: “option2”,

voted: 12

}

]

}

]

}

2.2 Create new campaign

Description: Create new campaign for candidate

Request

* method: post
* type: JSON
* URL: /api/campaign

Parameters list:

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| campaign | Object | Contain campaign |

campaign details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

* example:

{

error: false,

campaign: {

\_id: “xxxxxxxxxxxxxxxxxxxx”,

title: “xxxxxxxxxxxxxxxxxxxx”,

description: “xxxxxxxxxxxxxxxxxxxx”,

start: “xxxxxxxxxxxxxxxxxxxx”,

end: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”,

options: [

{

option: “option1”,

voted: 0

},

{

option: “option2”,

voted: 0

}

]

}

}

2.3 Request all campaigns which is started

Description: For who want to get all started campaign

Request

* method: get
* type: JSON
* URL: /api/campaign/start

Parameters list: None

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| campaigns | Array of Object | Contain all campaigns |

campaign details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

* example:

{

error: false,

campaigns: [

{

\_id: “xxxxxxxxxxxxxxxxxxxx”,

title: “xxxxxxxxxxxxxxxxxxxx”,

description: “xxxxxxxxxxxxxxxxxxxx”,

start: “xxxxxxxxxxxxxxxxxxxx”,

end: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”,

options: [

{

option: “option1”,

voted: 10

},

{

option: “option2”,

voted: 12

}

]

}

]

}

2.4 Request all campaigns which is ended

Description: For who want to get all ended campaign

Request

* method: get
* type: JSON
* URL: /api/campaign/end

Parameters list: None

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| campaigns | Array of Object | Contain all campaigns |

campaign details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

* example:

{

error: false,

campaigns: [

{

\_id: “xxxxxxxxxxxxxxxxxxxx”,

title: “xxxxxxxxxxxxxxxxxxxx”,

description: “xxxxxxxxxxxxxxxxxxxx”,

start: “xxxxxxxxxxxxxxxxxxxx”,

end: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”,

options: [

{

option: “option1”,

voted: 10

},

{

option: “option2”,

voted: 12

}

]

}

]

}

1. Vote related request

3.1 Request all voted with one candidate

Description: For who want to get all voted campaign

Request

* method: put
* type: JSON
* URL: /api/vote
* Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| token | String | User token from 1.1 |

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| votes | Array of Object | Contain all votes |

vote details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Vote ID |
| campaign | String | Campaign’s ID |
| for | String | Voted option |
| time | Date | Voted time |

* example:

{

error: false,

votes: [

{

\_id: “xxxxxxxxxxxxxxxxxxxx”,

campaign: “xxxxxxxxxxxxxxxxxxxx”,

for: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”

}

]

}

3.2 Vote a campaign

Description: For who want to vote campaign

Request

* method: post
* type: JSON
* URL: /api/vote
* Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| token | String | User token from 1.1 |
| campaign | String | Campaign’s ID |
| for | String | Option of campaign |

Response

* type: JSON

Parameter list

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| error | Boolean | Determine the request error or not |
| campaign | Object | Campaign voted |
| voted | Object | Voted details |

campaign details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

voted details

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Vote ID |
| campaign | String | Campaign’s ID |
| for | String | Voted option |
| time | Date | Voted time |

* example:

{

error: false,

campaign: {

\_id: “xxxxxxxxxxxxxxxxxxxx”,

title: “xxxxxxxxxxxxxxxxxxxx”,

description: “xxxxxxxxxxxxxxxxxxxx”,

start: “xxxxxxxxxxxxxxxxxxxx”,

end: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”,

options: [

{

option: “option1”,

voted: 1

},

{

option: “option2”,

voted: 0

}

]

},

voted: {

\_id: “xxxxxxxxxxxxxxxxxxxx”,

campaign: “xxxxxxxxxxxxxxxxxxxx”,

for: “xxxxxxxxxxxxxxxxxxxx”,

time: “xxxxxxxxxxxxxxxxxxxx”

}

}

1. Models list

4.1 User

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| token | String | User’s token generates by server |

4.2 Campaign

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Campaign’s ID |
| title | String | Campaign’s title |
| description | String | Campaign’s description |
| start | Date | Campaign’s start date |
| end | Date | Campaign’s end date |
| time | Date | Campaign’s create time |
| options | Array of Object | Campaign’s options |

options

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| option | String | Option name |
| voted | Number | Number of votes of this option |

4.3 Vote

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Definition |
| \_id | String | Vote ID |
| campaign | String | Campaign’s ID |
| for | String | Voted option |
| time | Date | Voted time |