

## E4C iOS App: API Documentation

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**\*Note:** All requests must be sent with header Content-Type set to application/json

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## Account

*Create an account*

### **POST /api/createaccount**

*Request Body:*

Name	Type
email	string
password	string
profstatus	int
affiliation	int
expertise	int
country	int
age	int
gender	int

*Example Response Body:*

```
{
  "id": "2e1e64e6-ea3c-4150-9346-c31ab8b43c5b",
  "user_firstname": null,
  "user_lastname": null,
  "user_login": null,
  "user_pass": "$2a$10$XBpRRUB28xrZs3saQ/U.v.HAYfPCHIvAZ98mKSQLNREjT9Xh3GcCm",
  "user_nicename": null,
  "user_email": "test@princeton.edu",
  "user_url": null,
  "user_registered": "2017-05-03T19:40:26.787Z",
  "user_activation_key": null,
  "user_status": null,
  "display_name": null,
  "user_age": 2,
  "user_sectors": null,
```

```
"user_projects": null,
"fav_articles": [],
"fav_webinars": [],
"user_profstatus": 1,
"user_affiliation": 2,
"user_expertise": 1,
"user_description": "Tell us a little about yourself!",
"user_gender": 1,
"user_country": 3
}
```

### *Verify a user*

#### **POST /api/login**

*Request Body:*

Name	Type
email	string
password	string

*Example Response Body:*

```
{
  "id": "2e1e64e6-ea3c-4150-9346-c31ab8b43c5b",
  "user_firstname": null,
  "user_lastname": null,
  "user_login": null,
  "user_pass": "$2a$10$XBpRRUB28xrZs3saQ/U.v.HAYfPCHIvAZ98mKSQLNREjT9Xh3GcCm",
  "user_nicename": null,
  "user_email": "test@princeton.edu",
  "user_url": null,
  "user_registered": "2017-05-03T19:40:26.787Z",
  "user_activation_key": null,
  "user_status": null,
  "display_name": null,
  "user_age": 2,
  "user_sectors": null,
  "user_projects": null,
  "fav_articles": [412, 912],
  "fav_webinars": [231, 50],
  "user_profstatus": 1,
  "user_affiliation": 2,
}
```

```
"user_expertise": 1,  
"user_description": "Tell us a little about yourself!",  
"user_gender": 1,  
"user_country": 3  
}
```

### *Edit an account*

**POST /api/editaccount**

*Request Body:*

Name	Type
id	string (uuid)
firstname	string
lastname	string
profstatus	int
affiliation	int
expertise	int
country	int
age	int
gender	int
description	string

*Response:*

Status 200

### *Get a user by id*

**POST /api/getuserbyid**

*Request Body:*

Name	Type
id	string (uuid)

*Example Response Body:*

```
{
  "id": "2e1e64e6-ea3c-4150-9346-c31ab8b43c5b",
  "user_firstname": null,
  "user_lastname": null,
  "user_login": null,
  "user_pass": "$2a$10$XBpRRUB28xrZs3saQ/U.v.HAYfPCHIvAZ98mKSQLNREjT9Xh3GcCm",
  "user_nicename": null,
  "user_email": "test@princeton.edu",
  "user_url": null,
  "user_registered": "2017-05-03T19:40:26.787Z",
  "user_activation_key": null,
  "user_status": null,
  "display_name": null,
  "user_age": 2,
  "user_sectors": null,
  "user_projects": null,
  "fav_articles": [412, 912],
  "fav_webinars": [231, 50],
  "user_profstatus": 1,
  "user_affiliation": 2,
  "user_expertise": 1,
  "user_description": "Tell us a little about yourself!",
  "user_gender": 1,
  "user_country": 3
}
```

*Delete account*

**POST /api/deleteaccount**

*Request Body:*

Name	Type
id	string (uuid)

*Response:*

Status 200

---

## News

*Get all news*

**GET /api/getallnews**

*Example Response:*

```
[
  {
    "id": 8726,
    "post_author": 1,
    "post_date": "2016-06-16T10:33:56.000Z",
    "post_date_gmt": "2016-06-16T14:33:56.000Z",
    "post_content": "Last year, my business partner and I entered the world of impact investment with the goal of raising funds for a new energy access company we started in Indonesia. One of the biggest challenges we faced was lacking a clear understanding of the stages of raising funds. The aim of this article is to lay out a general framework of the stages of impact investing for an audience of engineers.\r\n<h1>Proto-Planning Phase</h1>\r\nBefore attempting ... He is a Founder and Managing Director of a Southeast Asia-based engineering consulting firm for seven years. Awards and honors include PERC Enviropreneur of the Year 2015, Bozeman, MT; ASEAN-USA Business Summit Panelist, Siem Reap, Cambodia 2012; and The Outstanding Young Persons (TOYP) member 2011, Osaka, Japan. </em>",
    "post_title": "Stages of Impact Investing for Engineer Entrepreneurs",
    "post_excerpt": null,
    "post_status": "publish",
    "comment_status": "open",
    "ping_status": "closed",
    "post_password": null,
    "post_name": "stages-of-impact-investing-for-engineer-entrepreneurs",
    "to_ping": null,
    "pinged": null,
    "post_modified": "2016-06-29T10:34:42.000Z",
    "post_modified_gmt": "2016-06-29T14:34:42.000Z",
    "post_content_filtered": null,
    "post_parent": 0,
    "guid": "http://staging.engineeringforchange.org/?p=8726",
    "menu_order": 0,
    "post_type": "post",
    "post_mime_type": null,
    "comment_count": 0
  },
  ...
]
```

### Get news for one or more sector

**POST /api/getnewsforsectors**

*Request Body:*

Name	Type
sectors	boolean[9]

The above boolean sectors array indicates true for each sector it wishes it include, in the following order:

Featured, Water, Energy, Health, Housing, Agriculture, Sanitation, ICT, Transport

So, a sectors array that looked like:

[true, false, false, false, true, false, false, true, false]

would return news tagged with Featured, Housing, and ICT.

*Response:* same as [/api/getallnews](#) (an array of posts).

### Get article by id

**POST /api/getarticlebyid**

*Request Body:*

Name	Type
id	int

*Example Response Body:*

```
{
  "id": 8726,
  "post_author": 1,
  "post_date": "2016-06-16T10:33:56.000Z",
  "post_date_gmt": "2016-06-16T14:33:56.000Z",
  "post_content": "Last year, my business partner and I entered the world of impact investment with the goal of raising funds for a new energy access company we started in Indonesia. One of the biggest challenges we faced was lacking a clear understanding of the stages of raising funds. The aim of this article is to lay out a general framework of the stages of impact investing for an audience of engineers.\r\n<h1>Proto-Planning Phase</h1>\r\nBefore attempting ... He is a Founder and Managing Director of a Southeast Asia-based engineering consulting firm for seven years. Awards and honors include PERC Enviropreneur of the Year 2015, Bozeman, MT; ASEAN-USA Business Summit Panelist, Siem
```

Reap, Cambodia 2012; and The Outstanding Young Persons (TOYP) member 2011, Osaka, Japan.

```
</em>",
  "post_title": "Stages of Impact Investing for Engineer Entrepreneurs",
  "post_excerpt": null,
  "post_status": "publish",
  "comment_status": "open",
  "ping_status": "closed",
  "post_password": null,
  "post_name": "stages-of-impact-investing-for-engineer-entrepreneurs",
  "to_ping": null,
  "pinged": null,
  "post_modified": "2016-06-29T10:34:42.000Z",
  "post_modified_gmt": "2016-06-29T14:34:42.000Z",
  "post_content_filtered": null,
  "post_parent": 0,
  "guid": "http://staging.engineeringforchange.org/?p=8726",
  "menu_order": 0,
  "post_type": "post",
  "post_mime_type": null,
  "comment_count": 0
}
```

### *Favorite article for user*

**POST /api/favoritearticleforuser**

*Request Body:*

Name	Type
articleid	int
userid	string(uuid)

*Response:*

Status 200

### *Unfavorite article for user*

**POST /api/unfavoritearticleforuser**

*Request Body:*



Name	Type
articleid	int
userid	string(uuid)

*Response:*

Status 200

*Get favorite articles for user*

**POST /api/getfavarticlesforuser**

*Request Body:*

Name	Type
userid	string(uuid)

*Response:* Array of posts, as seen above in </api/getallnews>

*Search news*

**POST /api/searchnews**

*Request Body:*

Name	Type
query	string

*Response:* Array of posts, as seen above in </api/getallnews>

## Webinars

*Get all webinars*

**GET /api/getallwebinars**

*Example Response:*

```
[
  {
    "id": 8726,
    "post_author": 1,
    "post_date": "2016-06-16T10:33:56.000Z",
    "post_date_gmt": "2016-06-16T14:33:56.000Z",
    "post_content": "Last year, my business partner and I entered the world of impact investment with the goal of raising funds for a new energy access company we started in Indonesia. One of the biggest challenges we faced was lacking a clear understanding of the stages of raising funds. The aim of this article is to lay out a general framework of the stages of impact investing for an audience of engineers.\r\n<h1>Proto-Planning Phase</h1>\r\nBefore attempting ... He is a Founder and Managing Director of a Southeast Asia-based engineering consulting firm for seven years. Awards and honors include PERC Enviropreneur of the Year 2015, Bozeman, MT; ASEAN-USA Business Summit Panelist, Siem Reap, Cambodia 2012; and The Outstanding Young Persons (TOYP) member 2011, Osaka, Japan. </em>",
    "post_title": "Stages of Impact Investing for Engineer Entrepreneurs",
    "post_excerpt": null,
    "post_status": "publish",
    "comment_status": "open",
    "ping_status": "closed",
    "post_password": null,
    "post_name": "stages-of-impact-investing-for-engineer-entrepreneurs",
    "to_ping": null,
    "pinged": null,
    "post_modified": "2016-06-29T10:34:42.000Z",
    "post_modified_gmt": "2016-06-29T14:34:42.000Z",
    "post_content_filtered": null,
    "post_parent": 0,
    "guid": "http://staging.engineeringforchange.org/?p=8726",
    "menu_order": 0,
    "post_type": "wwebinar",
    "post_mime_type": null,
    "comment_count": 0
  },
  ...
]
```

*Get webinars for one or more sector*

**POST /api/getwebinarsforsectors**

Request Body and Response: same as [/api/getnewsforsectors](#)

*Get webinar by id*

**POST /api/getwebinarbyid**

Request Body and Response: same as [/api/getarticlebyid](#)

*Favorite webinar for user*

**POST /api/favoritewebinarforuser**

Request Body and Response: same as [/api/favoritearticleforuser](#)

*Unfavorite webinar for user*

**POST /api/unfavoritewebinarforuser**

Request Body and Response: same as [/api/unfavoritearticleforuser](#)

*Get favorite webinars for user*

**POST /api/getfavwebinarsforuser**

Request Body and Response: same as [/api/getfavarticlesforuser](#)

*Search webinars*

**POST /api/searchwebinars**

Request Body and Response: same as [/api/searchnews](#)

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## **Community**

*Create a project*

**POST /api/createproject**

*Request Body:*

Name	Type
title	string
owner	string(uuid)
contributors	string[] (uuids)
description	string
sectors	string[]

*Example Response Body:*

```
{
  "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
  "owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
  "title": "A Biodegradable and Inexpensive Water Bottle #3",
  "contributors": [],
  "description": "We are working on developing the materials for a biodegradable water bottle that is cost effective and has a minimal environmental footprint.",
  "date_created": "2017-05-04T08:33:51.544Z",
  "num_comments": 0,
  "sector": "Water"
}
```

## *Edit a project*

**POST /api/editproject**

*Request Body:*

Name	Type
id	String (uuid)
title	string
contributors	string[] (uuids)
description	string
sectors	string[]

*Example Response Body:*

```
{
  "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
```

```
"owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
"title": "A Biodegradable and Inexpensive Water Bottle #3",
"contributors": [],
"description": "We are working on developing the materials for a biodegradable water
bottle that is cost effective and has a minimal environmental footprint.",
"date_created": "2017-05-04T08:33:51.544Z",
"num_comments": 0,
"sector": "Water"
}
```

## Add contributor to a project

**POST /api/addcontributortoproject**

*Request Body:*

Name	Type
projectid	string (uuid)
contributorid	string (uuid)

*Response:*

Status 200

## Remove contributor from a project

**POST /api/removecontributorfromproject**

*Request Body:*

Name	Type
projectid	string (uuid)
contributorid	string (uuid)

*Response:*

Status 200

### Get project by id

**POST /api/getprojectbyid**

*Request Body:*

Name	Type
projectid	string (uuid)

*Example Response Body:*

```
{
  "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
  "owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
  "title": "A Biodegradable and Inexpensive Water Bottle #3",
  "contributors": [],
  "description": "We are working on developing the materials for a biodegradable water bottle that is cost effective and has a minimal environmental footprint.",
  "date_created": "2017-05-04T04:33:51.544Z",
  "num_comments": 0,
  "sector": "Water"
}
```

### Get projects by sector

**POST /api/getprojectsbysector**

*Request Body:*

Name	Type
sector	string

*Example Response Body:*

```
[
  {
    "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
    "owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
    "title": "A Biodegradable and Inexpensive Water Bottle #3",
    "contributors": [],
    "description": "We are working on developing the materials for a biodegradable water bottle that is cost effective and has a minimal environmental footprint.",
    "date_created": "2017-05-04T04:33:51.544Z",
    "num_comments": 0,
  }
]
```

```
    "sector": "Water"
  }
  ...
]
```

### *Get all projects*

**GET /api/getallprojects**

*Example Response Body:*

```
[
  {
    "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
    "owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
    "title": "A Biodegradable and Inexpensive Water Bottle #3",
    "contributors": [],
    "description": "We are working on developing the materials for a biodegradable
      water bottle that is cost effective and has a minimal environmental footprint.",
    "date_created": "2017-05-04T04:33:51.544Z",
    "num_comments": 0,
    "sector": "Water"
  }
  ...
]
```

### *Post comment on project*

**POST /api/postcommentonproject**

*Request Body:*

Name	Type
authorid	string (uuid)
projectid	string (uuid)
content	string

*Response:*

Status 200

### *Delete comment from project*

**POST /api/deletecommentforproject**

*Request Body:*

Name	Type
authorid	string (uuid)
projectid	string (uuid)

*Response:*

Status 200

### *Get all comments for project*

**POST /api/getallcommentsforproject**

*Request Body:*

Name	Type
projectid	string (uuid)

*Example Response Body*

```
[
  {
    "id": "dc9291ab-81bd-439c-a47d-e30b52c53ab0",
    "author_id": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
    "project_id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
    "content": "Test comment",
    "date": "2017-05-04T09:03:33.229Z"
  }
  ...
]
```

### *Search projects*

**POST /api/searchprojects**

*Request body:*



Name	Type
query	string

*Example Response Body:*

```
[
  {
    "id": "cbfb570b-0c2e-48a1-8781-31475d5167bb",
    "owner": "2acc7178-ed39-4914-9b88-b4aca67d0dbb",
    "title": "A Biodegradable and Inexpensive Water Bottle #3",
    "contributors": [],
    "description": "We are working on developing the materials for a biodegradable water bottle that is cost effective and has a minimal environmental footprint.",
    "date_created": "2017-05-04T04:33:51.544Z",
    "num_comments": 0,
    "sector": "Water"
  }
  ...
]
```

## *Search users*

**POST /api/searchusers**

*Request body:*

Name	Type
query	string

*Example Response Body:*

```
[
  {
    "id": "2e1e64e6-ea3c-4150-9346-c31ab8b43c5b",
    "user_firstname": null,
    "user_lastname": null,
    "user_login": null,
    "user_pass": "$2a$10$XBpRRUB28xrZs3saQ/U.v.HAYfPCHIvAZ98mKSQLNREjT9Xh3GcCm",
    "user_nicename": null,
    "user_email": "test@princeton.edu",
    "user_url": null,
    "user_registered": "2017-05-03T19:40:26.787Z",
  }
]
```

```
    "user_activation_key": null,  
    "user_status": null,  
    "display_name": null,  
    "user_age": 2,  
    "user_sectors": null,  
    "user_projects": null,  
    "fav_articles": [412, 912],  
    "fav_webinars": [231, 50],  
    "user_profstatus": 1,  
    "user_affiliation": 2,  
    "user_expertise": 1,  
    "user_description": "Tell us a little about yourself!",  
    "user_gender": 1,  
    "user_country": 3  
  }  
  ...  
]
```

### *Delete project*

**POST /api/deleteproject**

*Request body:*

Name	Type
projectid	string (uuid)

*Response:*

Status 200