

BCombs REST API Documentation

Complete Reference

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1 Overview

This REST API uses JSON payloads. All requests and responses define the Content-Type header as "application/json". Authentication is implemented via JWT tokens with a 1-hour expiration time. All requests except authentication and account creation endpoints require authentication.

1.1 Authentication Requirements

All authenticated requests must include:

Authorization: Bearer <jwt_token>

Content-Type: application/json

1.2 Common HTTP Status Codes

- 200: Success
- 201: Created successfully
- 400: Bad Request - Missing or invalid parameters
- 401: Unauthorized - Invalid or missing authentication
- 403: Forbidden - Insufficient privileges
- 404: Not Found - Resource doesn't exist
- 409: Conflict - Resource already exists
- 500: Server Error

2 Data Models

2.1 User Object

```
{  
  "id": int,  
  "email": string,  
  "firstname": string,  
  "lastname": string,  
  "created_at": datetime,  
  "updated_at": datetime,  
  "registration_status": string  
}
```

2.2 Organization Object

```
{
  "id": int,
  "name": string,
  "type_id": int,
  "industry": string,
  "primary_address": string,
  "phone_number": string,
  "user_id": int,
  "role_in_company": string,
  "audience": string,
  "pain_points": string,
  "get_started_preference": string,
  "responsibilities": string,
  "goals": string,
  "organization_code": string
}
```

2.3 Form Object

```
{
  "id": int,
  "user_id": int,
  "organization_id": int,
  "form_type": string,
  "categories": string,
  "association": string,
  "title": string,
  "description": string,
  "copyright_protected": boolean,
  "created_at": datetime,
  "updated_at": datetime,
  "fields": [
    {
      "type": string,
      "label": string,
      "placeholder": string,
      "required": boolean,
      "options": array,
      "position": int
    }
  ]
}
```

2.4 Group Object

```
{
  "id": int,
  "organization_id": int,
  "name": string,
  "subgroups": string,
  "user_emails": string,
  "form_type": string,
  "capacity": int
}
```

3 API Endpoints

3.1 Authentication Endpoints (2)

3.1.1 1. Login

POST /api/auth/login

Request	Response
Route parameters: None	Status: 200 if successful 401 if invalid credentials
Query parameters: None	
Body: { "email": string, "password": string }	Body: { "token": string, "user": User object }

3.1.2 2. Get CSRF Token

GET /api/auth/csrf-token

Request	Response
Route parameters: None	Status: 200
Query parameters: None	Body:
Body: None	{ "csrfToken": string }

3.2 User Management Endpoints (6)

3.2.1 1. Create Account

POST /api/create-account

Request	Response
Route parameters: None Query parameters: None Body: { "email": string, "password": string, "firstname": string, "lastname": string }	Status: 201 if created 409 if email exists Body: { "message": string, "userId": int }

3.2.2 2. Get User Details by Email

GET /api/get-user-details

Request	Response
Route parameters: None Query parameters: email: string Body: None	Status: 200 if found 404 if not found Body: { "message": "User found!", "user": User object }

3.2.3 3. Get User Details by ID

GET /api/get-user-details-by-id/:userId

Request	Response
Route parameters: userId: string Query parameters: None Body: None	Status: 200 if found 404 if not found Body: { "message": "User found!", "user": User object }

3.2.4 4. Update User Role

PUT /api/update-user-role

Request	Response
Route parameters: None Query parameters: None Body: <pre>{ "userId": int, "userId": int }</pre>	Status: 200 if updated 404 if not found Body: { "message": "User role updated successfully" }

3.2.5 5. Delete User

DELETE /api/delete-user/:userId

Request	Response
Route parameters: userId: string Query parameters: None Body: None	Status: 200 if deleted 404 if not found Body: { "message": "User deleted successfully" }

3.2.6 6. Join Organization Without Code

POST /api/create-account-without-code

Request	Response
Route parameters: None Query parameters: None Body: <pre>{ "userId": int }</pre>	Status: 201 if successful 404 if user not found Body: { "message": string, "userId": int }

3.3 Organization Management Endpoints (3)

3.3.1 1. Complete Organization Setup

POST /api/complete-organization-setup

Request	Response
Route parameters: None Query parameters: None Body: <pre>{ "userId": int, "organizationName": string, "organizationType": int, "industry": string, "roleInCompany": string, "phoneNumber": string, "primaryAddress": string, "audience": string, "painPoints": string, "startingPoint": string, "responsibilities": string, "goals": array }</pre>	Status: 201 if successful 404 if user not found Body: { <pre> "message": "Organization setup complete", "orgId": int }</pre>

3.3.2 2. Join Organization

POST /api/join-organization

Request	Response
Route parameters: None Query parameters: None Body: <pre>{ "userId": int, "organizationCode": string }</pre>	Status: 200 if successful 404 if not found Body: { <pre> "message": "User added to organiza- tion", "organizationId": int }</pre>

3.3.3 3. Get Organization By User

GET /api/get-organization-by-user/:userId

Request	Response
Route parameters: userId: string Query parameters: None Body: None	Status: 200 if found 404 if not found Body: { <pre> "message": "Organization found!", "organization": Organization object }</pre>

3.4 Form Management Endpoints (7)

3.4.1 1. Create Form

POST /api/forms/create

Request	Response
Route parameters: None Query parameters: None Body: Form object without id	Status: 201 if created 500 if error Body: { "message": "Form created successfully", "form": Form object }

3.4.2 3. Get Form By ID

GET /api/forms/:formId

Request	Response
Route parameters: formId: string Query parameters: None Body: None	Status: 200 if found 404 if not found Body: { "form": Form object }

3.4.3 4. Get Forms By User

GET /api/forms/user/:userId

Request	Response
Route parameters: userId: string Query parameters: None Body: None	Status: 200 Body: { "forms": Array of Form objects }

3.4.4 5. Get Forms By Organization

GET /api/forms/organization/:organizationId

Request	Response
Route parameters: organizationId: string Query parameters: None Body: None	Status: 200 Body: { "forms": Array of Form objects }

3.4.5 6. Edit Form

PUT /api/forms/:formId

Request	Response
Route parameters: formId: string Query parameters: None Body: Form object	Status: 200 if updated 404 if not found Body: { "message": "Form updated successfully", "form": Form object }

3.4.6 7. Delete Form

DELETE /api/forms/:formId

Request	Response
Route parameters: formId: string Query parameters: None Body: None	Status: 200 if deleted 404 if not found Body: { "message": "Form deleted successfully" }

3.5 Group Management Endpoints (5)

3.5.1 1. Create/Update Group

POST /api/groups/create

Request	Response
Route parameters: None Query parameters: None Body: Group object	Status: 201 if created 400 if invalid capacity Body: { "message": "Group created successfully" }

3.5.2 2. Add Users to Group

POST /api/groups/emails

Request	Response
Route parameters: None Query parameters: None Body: <pre>{ "organization_id" : int, "emails": array of strings }</pre>	Status: 200 if successful 404 if group not found Body: { "message": "Users added to group successfully" }

3.5.3 3. Get Group Details

GET /api/groups/:organizationId

Request	Response
Route parameters: organizationId: string Query parameters: None Body: None	Status: 200 Body: Array of Group objects

3.5.4 4. Get All Group Emails

GET /api/groups/allEmails/:organizationId

Request	Response
Route parameters: organizationId: string Query parameters: None Body: None	Status: 200 Body: Array of email strings

3.5.5 5. Delete Group

DELETE /api/groups/delete/:id

Request	Response
Route parameters: id: string Query parameters: None Body: None	Status: 200 if deleted 404 if not found Body: { "message": "Group deleted successfully" }

3.6 Password Reset Endpoints (4)

3.6.1 1. Request Password Reset

POST /api/reset-password

Request	Response
Route parameters: None Query parameters: None Body: { "email": string }	Status: 200 if email sent 404 if email not found Body: { "message": "Password reset email sent" }

3.6.2 2. Resend Reset Code

POST /api/resend-reset-code

Request	Response
Route parameters: None Query parameters: None Body: { "email": string }	Status: 200 if sent 404 if email not found Body: { "message": "A new reset code has been sent to your email" }

3.6.3 3. Verify Reset Code

POST /api/verify-reset-code

Request	Response
Route parameters: None Query parameters: None Body: { "code": string }	Status: 200 if valid 400 if invalid/expired Body: { "message": "Code verified", "resetToken": string }

3.6.4 4. Set New Password

POST /api/set-new-password

Request	Response
Route parameters: None Query parameters: None Body: { "newPassword": string, "resetToken": string }	Status: 200 if updated 400 if invalid token Body: { "message": "Password has been updated successfully" }

3.7 Search Endpoints (2)

3.7.1 1. Get Events

GET /api/search/events

Request	Response
Route parameters: None Query parameters: None Body: None	Status: 200 Body: Array of Event objects

3.7.2 2. Get Event Types

POST /api/search/event-types

Request	Response
Route parameters: None Query parameters: None Body: { "id": int }	Status: 200 Body: Array of event type strings

3.8 Attendance Endpoints (4)

3.8.1 1. Get Event Attendance Details

GET /api/attendance/:id

Request	Response
Route parameters: id (Event ID) Query parameters: None Body: None	Status: 200 if found, 404 if not found Body: { "attendanceDetails": Array of attendance objects }

3.8.2 2. Get Event Students

GET /api/attendance/students

Request	Response
Route parameters: None Query parameters: None Body: None	Status: 200 Body: { "students": Array of student objects }

3.8.3 3. Start Event Attendance

POST /api/attendance-event/start

Request	Response
Route parameters: None Query parameters: None Body: { "eventId": int, "date": string, "startTime": string, "endTime": string }	Status: 200 if created, 404 if event not found Body: { "message": "Attendance record created successfully" }

3.8.4 4. Save Event Attendance

POST /api/attendance-event/save

Request	Response
Route parameters: None Query parameters: None Body: { "eventId": int, "attendanceData": Array of attendance updates }	Status: 200 Body: { "message": "Attendance data saved successfully" }