API Documentation

**URL for all calls: http://127.0.0.1:8000/**

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# API calls for User

## Login

Extension: external/login

Request Type: POST

Parameters

* “username” (string)
* “password” (string)

Sample Request

/external/login?username=testAthlete&password=test

Successful Responses

{

"message": "Login successful",

"csrf\_token": "VGGsKY9am3Ix4FIKHTiBx2xJIgW3G8tdlBEyK9GHRkU8Ho5MkIUi30QLsxr60V4p”

"userId": 12

}

## Create User

Extension: external/newUser

Request Type: POST

Parameters:

“username” (string)

“password” (string)

“email” (string)

“isCoach” (Boolean)

“isAthlete (Boolean)

“first\_name” (string)

“last\_name” (string)

Sample Request

external/newUser?username=testAthlete3&password=test&email=testAthlete2%40email.com&isCoach=False&isAthlete=True&first\_name=test&last\_name=athlete2

Successful Response

{

"message": "User created successfully"

"userId": 12

}

## Get User

Extension: [external/getUser/<int:userID>/](http://127.0.0.1:8000/external/getUser/%3cint:userID%3e/)

Request Type: GET

Parameters

* None

Sample Request

/external/getUser/6/

Successful Response

{

"id": 6,

"username": "testAthlete",

"first\_name": "test",

"last\_name": "Athlete",

"email": "testAthlete@email.com",

"isCoach": false,

"isAthlete": true

}

## Delete User

Extension: [external/deleteUser/<int:userID>/](http://127.0.0.1:8000/external/deleteUser/%3cint:userID%3e/)

Request Type: DELETE

Parameters:

None

Successful Response

{

'message': 'User deleted successfully'

}

## Update User

Extension: external/updateUser/<int:userID/

Request Type: PUT or POST

Parameters:

“first\_name”

“last\_name”

“email”

Successful Response

{

“message”:”'User updated successfully”

"userId": 12

}

# API calls for Athletes

## Create Athlete

Extension: external/newAthlete

Request Type: POST

Parameters:

“birthday” (date, yyyy-mm-dd)

“schoolyear” (string)

“userID” (int)

Sample Request

/external/newAthlete?birthday=1999-10-05&schoolYear=Senior&userID=11

Successful Response

{

"message": "Athlete created successfully"

"athleteId": 8

}

## Get Athlete

Extension: external/getAthlete/<int:athleteID>/

Request Type: GET

Parameters:

None

Sample Request:

/external/getAthlete/4/

Successful Response

{

"id": 4,

"birthday": "1999-10-06",

"schoolYear": "Senior",

"teamID": 3,

"userID": 6

}

## Delete Athlete

Extension: external/deleteAthlete/<int:athleteID>/

Request Type: DELETE

Parameters:

None

Sample Request

/external/deleteAthlete/6/

Successful Response

{

"message": "Athlete deleted successfully"

}

## Update Athlete

Extension: external/updateAthlete/<int:athleteID>/

Request Type: PUT or POST

Parameters:

“birthday” (date, yyyy-mm-dd)

“schoolyear” (string)

Sample Request

/external/updateAthlete/7/?birthday=1999-10-05&schoolYear=Senior

Successful Response

{

"message": "Athlete updated successfully"

"athleteId": 8

}

# API Calls for Coaches

## Create Coach

Extension: external/newCoach

Request Type: POST

Parameters:

“userID” (int)

“teamID” (int)

Sample Request

external/newCoach?userId=9&teamId=3

Successful Response

{

"message": "Coach created successfully"

"coachId": 4

}

## Get Coach

Extension: external/getCoach/<int:coachID>/

Request Type: GET

Parameters:

None

Sample Request

/external/getCoach/4/

Successful Response

{

"id": 4,

"teamID": 3,

"userID": 8

}

## Delete Coach

Extension: external/deleteCoach/<int:coachID>

Request Type: DELETE

Parameters:

None

Sample Request

/external/deleteCoach/5/

Successful Response

{

"message": "Coach deleted successfully"

}

# API Calls for Teams

## Create Team

Extension: external/newTeam

Request Type: POST

Parameters:

“teamName” (string)

Sample Request

/external/newTeam?teamName=test+team3

Successful Response

{

"message": "Team created successfully"

"teamId": 4

}

## Get Team

Extension: external/getTeam/<str:teamName>/

Request Type: GET

Parameters:

None

Sample Request

external/getTeam/test team

Successful Response

{

"teamId": 3,

"teamName": "test team",

"coaches": [

{

"firstName": "test",

"lastName": "coach"

},

{

"firstName": "test",

"lastName": "coach2"

}

]

}

## Delete Team

Extension: external/deletedTeam/<int:teamID>/

Request Type: DELETE

Parameters:

none

Sample Request

external/deleteTeam/4/

Successful Response

{

"message": "Team deleted successfully"

}

# API Calls for Roster Management

## Add to Team

Extension: external/addToTeam/<int:athleteID>/

Request Type: PUT

Parameters:

“teamID” (int)

Sample Request

external/addToTeam/5/?teamId=3

Successful Response

{

"message": "Athlete added to team successfully"

}

## View Roster

Extension: external/viewRoster/<int:teamID>/

Request Type: GET

Parameters:

None

Sample Request

external/viewRoster/3/

Successful Response

{

"approved": [],

"pending": [

{

"firstName": "test",

"lastName": "Athlete",

"birthday": "1999-10-06",

"schoolyear": "Senior"

},

{

"firstName": "test",

"lastName": "athlete2",

"birthday": "1999-10-05",

"schoolyear": "Senior"

}

]

}

## Approve Athlete

Extension: external/approveAthlete/<int:athleteID>/

Request Type: PUT

Parameters:

None

Sample Request

external/approveAthlete/5/

Successful Response

{

"message": "Athlete approved successfully"

}

## Remove Athlete

Extension: external/removeFromTeam/<int:athleteID/

Request Type: PUT

Parameters:

None

Sample Request

external/removeFromTeam/5/

Successful Response

{

"message": "Athlete removed from team successfully"

}

# Calls for Workouts

## Create Workout

Extension: external/newWorkout

Request Type: POST

Parameters:

“coachID” (int)

“description” (text)

“date” (date, yyyy-mm-dd)

“title” (char)

Sample Request

/external/newWorkout?coachID=4&description=test+to+see+if+workout+is+created&date=2024-04-14&title=test+workout

Successful Response

{

"message": "Workout created successfully",

"workoutID": 1

}

## Assign to Athlete(s)

Extension: external/assignToAthletes

Request Type: PUT

Parameters:

“workoutID” (int)

“numAthletes” (int)

“athleteIDs” (int,int,int,…)

Sample Request

/external/assignToAthletes?workoutID=1&numAthletes=2&athleteIDs=4%2C5%2C7

Successful Response

{

"message": "Athletes Assigned to Workout"

}

## Get Workout

Extension: external/getWorkout/<int:workoutID>/

Request Type: GET

Parameters:

none

Sample Request

/external/getWorkout/2/

Successful Response

{

"workoutID": 2,

"title": "test workout 2",

"description": "empty workout",

"assignedDate": "2024-04-14",

"coachID": 4,

"assignedAthletes": [

{

"athleteID": 4,

"firstName": "test",

"lastName": "Athlete"

}

]

}

## Remove Athlete From Workout

Extension: external/removeAthlete/<int:workoutID>/

Request Type: PUT

Parameters:

“athleteID” (int)

Sample Request

/external/removeAthlete/2/?athleteID=7

Successful Response

{

"message": "Athlete Removed from Workout"

}

## Edit Workout

Extension: external/editWorkout/<int:workoutID>/

Request Type: PUT

Parameters:

“title” (char)

“assignedDate” (date, yyyy-mm-dd)

“description” (text)

Sample Request

/external/editWorkout/2/?title=Edited+Workout&assignedDate=2024-04-14&description=This+workout+has+been+edited

Successful Response

{

"message": "Workout updated successfully",

"workoutID": 2

}

## Copy Workout

Extension: external/copyWorkout/<int:workoutID>/

Request Type: POST

Parameters:

“newDate” (date, yyyy-mm-dd)

“newTitle” (char)

Sample Request

/external/copyWorkout/2/?newDate=2024-10-05&newTitle=Copied+Workout

Successful Response

{

"message": "Workout copied successfully",

"workoutID": 3

}

## Delete Workout

Extension: external/deleteWorkout/<int:workoutID>/

Request Type: DELETE

Parameters:

none

Sample Request

/external/deleteWorkout/3/

Successful Response

{

"message": "Workout deleted successfully"

}

# Calls for Training Groups