

FitnessAPP

Community

Community - Get list of friends

GET

```
http://192.168.153.140/users/community/getFriends/
```

Success 200

| Field | Type | Description |
|------------------|---------|---------------------------------|
| Request | Array[] | List of Requests |
| id_users | Int | Id of user. |
| name | String | Name of user. |
| gender | String | Gender of user. |
| age | Int | Age of user. |
| primarySports | String | Primary Sports of user. |
| profileImgPath | String | Url to profile picture of user. |
| timeSpendPerWeek | Int | Time spend per week. |
| sportLevel | Int | Sport level of user. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|------------------|
| message | No friends found |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Get pending request

GET

```
http://192.168.153.140/users/community/getPendingRequest/
```

Success 200

| Field | Type | Description |
|------------------|---------|---------------------------------|
| Request | Array[] | List of Requests |
| id_users | Int | Id of user. |
| name | String | Name of user. |
| gender | String | Gender of user. |
| age | Int | Age of user. |
| primarySports | String | Primary Sports of user. |
| profileImgPath | String | Url to profile picture of user. |
| timeSpendPerWeek | Int | Time spend per week. |
| sportLevel | Int | Sport level of user. |

Error 403

| Name | Description |
|--------------|----------------------------|
| accessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|--------------------|
| message | No requests found. |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Get suggested matches

GET

```
http://192.168.153.140/users/community/getSuggestedMatches/
```

Success 200

| Field | Type | Description |
|------------------|---------|---------------------------------|
| Match | Array[] | List of matches. |
| id_users | Int | Id of user. |
| name | String | Name of user. |
| gender | String | Gender of user. |
| age | Int | Age of user. |
| primarySports | String | Primary Sports of user. |
| profileImgPath | String | Url to profile picture of user. |
| timeSpendPerWeek | Int | Time spend per week. |
| sportLevel | Int | Sport level of user. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|---------------------------------|
| message | No suggested matches for you :(|

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Search for user

Search for user name. Uses regex to search. Search from start of name

GET

```
http://192.168.153.140/users/community/searchForUsers/
```

Param

| Field | Type | Description |
|--------|--------|-----------------------|
| search | String | String to search for. |

Success 200

| Field | Type | Description |
|------------------|---------|---------------------------------|
| Match | Array[] | List of found users. |
| id_users | Int | Id of user. |
| name | String | Name of user. |
| gender | String | Gender of user. |
| age | Int | Age of user. |
| primarySports | String | Primary Sports of user. |
| profileImgPath | String | Url to profile picture of user. |
| timeSpendPerWeek | Int | Time spend per week. |
| sportLevel | Int | Sport level of user. |

Error 400

| Name | Description |
|---------|-------------------------|
| message | search param is missing |

Error 403

| Name | Description |
|--------------|----------------------------|
| accessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|----------------|
| message | No users found |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Send accept to friend request

PUT

`http://192.168.153.140/users/community/responseRequestAccept/`**Param**

| Field | Type | Description |
|-------|------|-------------|
| | | |

| Field | Type | Description |
|------------------|------|---------------------------|
| responseToUserId | Int | User ID of friend request |

Success 200

| Field | Type | Description |
|---------|--------|---|
| message | String | Response sent. User added to friendlist |

Error 400

| Name | Description |
|---------|-----------------------------------|
| message | responseToUserId param is missing |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 406

| Name | Description |
|---------|--|
| message | Request wasn't updated because it does not exist |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Send deny to friend request**DELETE**`http://192.168.153.140/users/community/responseRequestDeny/`**Param**

| Field | Type | Description |
|------------------|------|---------------------------|
| responseToUserId | Int | User ID of friend request |

Success 200

| Field | Type | Description |
|---------|--------|------------------------------------|
| message | String | Response sent and request removed. |

Error 400

| Name | Description |
|------|-------------|
| | |

| Name | Description |
|---------|-----------------------------------|
| message | responseToUserid param is missing |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 406

| Name | Description |
|---------|--|
| message | Request wasn't updated because it does not exist |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Community - Send friend request

If the requested user is a suggested match, the match will not show as suggested match again

POST

<http://192.168.153.140/users/community/sendRequest/>

Param

| Field | Type | Description |
|--------------|------|---|
| userToInvite | Int | User ID of user to send the request to. |

Success 200

| Field | Type | Description |
|---------|--------|--------------|
| message | String | Request sent |

Error 400

| Name | Description |
|---------|-------------------------------|
| message | userToInvite param is missing |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------|-------------|
| | |

| Name | Description |
|----------------------------|---|
| AlreadySentByRequestedUser | Requested user has already sent an invite |
| AlreadyExist | Request already exist |
| AlreadyFriend | Users already friends |
| SentToYouself | same user as requester and related |
| unspecifiedError | Please report |

Facebook

Facebook - Create user with Facebook

Suggested matches will be found in DB

POST

<http://192.168.153.140/users/facebook/create>

Request body

| Field | Type | Description |
|------------------|--------|---|
| gender | String | Gender Allowed values: "male", "female" |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport Allowed values: "Run", "Fitness" |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. Size range: 1-10 |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |

Authorization - Bearer Token

| Field | Type | Description |
|-------|------|-------------|
| | | |

| Field | Type | Description |
|-------------|-------|---------------------|
| FBUserToken | Token | Facebook user token |

Success 200

| Field | Type | Description |
|------------------|--------|---|
| email | String | Username (email) |
| password | String | Always null when facebook login is used |
| name | String | Full name |
| gender | String | Gender |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport |
| profileImgPath | String | Path to profile picture |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |
| id_users | Number | user ID |
| Session | Cookie | Session cookie |

Error 400

| Name | Description |
|------|-------------|
| Auth | Auth failed |

Error 403

| Name | Description |
|-------------|----------------------------|
| UserExist | User already exist. |
| MissingData | DATA is missing from body. |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Facebook - Login user with Facebook

GET

```
http://192.168.153.140/users/facebook/login
```

Authorization - Bearer Token

| Field | Type | Description |
|-------------|-------|---------------------|
| FBUserToken | Token | Facebook user token |

Success 200

| Field | Type | Description |
|------------------|--------|---|
| id_users | Number | user ID |
| email | String | Username (email) |
| password | String | Always null when facebook login is used |
| name | String | Full name |
| gender | String | Gender |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport |
| profileImgPath | String | Path to profile picture |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |
| Session | Cookie | Session cookie |

Error 400

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

| Name | Description |
|------|-------------|
| Auth | Auth failed |

Error 403

| Name | Description |
|--------------|----------------------------|
| UserNotFound | User not found in db |
| MissingData | DATA is missing from body. |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness

Fitness - Create fitness plan

POST

`http://192.168.153.140/sports/fitness/createFitnessPlan/`**Request body**

| Field | Type | Description |
|----------------------|---------|------------------|
| FitnessPlanName | String | Name of plan |
| FitnessPlanExecises | Array[] | Execises in plan |
| id_fitness_exercises | Int | Id of execise. |

Success 200

| Field | Type | Description |
|---------|--------|----------------------|
| message | String | Fitness plan created |

Error 400

| Name | Description |
|---------|-------------------------------|
| message | Param is missing. Check docs. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness - Delete fitness plan (Used by test)

DELETE

```
http://192.168.153.140/sports/fitness/deleteFitnessPlan/
```

Param

| Field | Type | Description |
|---------------|------|------------------------------|
| fitnessPlanId | Int | Id of fitness plan to delete |

Success 200

| Field | Type | Description |
|---------|--------|------------------------------------|
| message | String | Fitness plan successfully deleted. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness - Get all execises

GET

```
http://192.168.153.140/sports/fitness/getAllExecises
```

Success 200

| Field | Type | Description |
|---------------------|---------|-------------------|
| Execises | Array[] | List of Execises. |
| id_fitness_execises | Int | Id of execise. |
| execiseName | String | Name of execise. |
| repeats | String | Repeats. |

| Field | Type | Description |
|------------|--------|------------------|
| sets | Int | Sets. |
| howToVideo | String | Link to youtube. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness - Get exercises in fitness plan

GET

`http://192.168.153.140/sports/fitness/getExecisesInPlan/`**Param**

| Field | Type | Description |
|---------------|------|---|
| fitnessPlanId | Int | Id of fitness plan to receive data from |

Success 200

| Field | Type | Description |
|----------------------|---------|--------------------|
| Execises | Array[] | List of Exercises. |
| id_fitness_exercises | Int | Id of exercise. |
| execiseName | String | Name of exercise. |
| repeats | Int | Repeats. |
| sets | Int | Sets. |
| howToVideo | String | Link to youtube. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness - Get user fitness plans

GET

```
http://192.168.153.140/sports/fitness/getFitnessPlans/
```

Success 200

| Field | Type | Description |
|-----------------|---------|------------------------|
| Plans | Array[] | Array of fitness plans |
| id_fitness_plan | Int | Id of plan |
| FitnessPlanName | String | Name of plan |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|---------------------------|
| message | No fitness plans for user |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Fitness - Share fitness plan

POST

```
http://192.168.153.140/sports/fitness/shareFitnessPlan/
```

Request body

| Field | Type | Description |
|----------------|---------|-----------------------------|
| fitnessPlanId | Int | Id of fitnessplan to share. |
| shareWithUsers | Array[] | Users participated in run |
| id_users | Int | id of user |

Success 200

| Field | Type | Description |
|---------|--------|-----------------|
| Message | String | Name of excise. |

Error 400

| Name | Description |
|--------------|--|
| ParamMissing | Param is missing. Check doc. |
| NoUser | No user in shareWithUsers |
| AccessDenied | User does not have access to this fitness plan |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Running

Running - Delete run (Used by test)

DELETE

`http://192.168.153.140/sports/running/deleteRun/`**Param**

| Field | Type | Description |
|-------|------|---------------------|
| runId | Int | Id of run to delete |

Success 200

| Field | Type | Description |
|---------|--------|---------------------------|
| message | String | Run successfully deleted. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Running - Get user runs

GET

http://192.168.153.140/sports/running/getRuns/

Success 200

| Field | Type | Description |
|--------------|---------|---|
| Runs | Array[] | Array of elements in run (see registerRun) |
| id_running | Double | . |
| distance | Double | . |
| startTime | Int | Secound since 1970 |
| duration | Double | . |
| lat | Array | Array of all latitude coordinated e.g. 22.23, 22.24 |
| long | Array | Array of all longitude coordinated e.g. 22.23, 22.24 |
| locationTime | Array | Secound since 1970 for each coordinat-set e.g. 555555, 555556 |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 404

| Name | Description |
|---------|-----------------------------|
| message | No runs registered for user |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Running - Save run

POST

```
http://192.168.153.140/sports/running/registerRun/
```

Request body

| Field | Type | Description |
|--------------------|------------------|---|
| distance | Double | . |
| startTime | Int | Secound since 1970 |
| duration | Double | . |
| lat | Array[] | Array of all latitude coordinated e.g. 22.23, 22.24 |
| long | Array[] | Array of all longitude coordinated e.g. 22.23, 22.24 |
| locationTime | Array[] | Secound since 1970 for each coordinat-set e.g. 555555, 555556 |
| participatingUsers | optional Array[] | Users participated in run |
| id_users | optional Int | id of user |

Success 200

| Field | Type | Description |
|---------|--------|----------------|
| message | String | Run registered |

Error 400

| Name | Description |
|---------|-------------------------------|
| message | Param is missing. Check docs. |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users**Users - Change user information**

PUT

```
http://192.168.153.140/users/updateInfo/
```

Request body

| Field | Type | Description |
|------------------|-----------------|---|
| name | optional String | Full name |
| gender | optional String | Gender Allowed values: "male", "female" |
| age | optional Number | Age |
| mobile | optional Number | Mobile number |
| primarySports | optional String | Primary sport Allowed values: "Run", "Fitness" |
| timeSpendPerWeek | optional Number | Time spend per week. |
| sportLevel | optional Number | Sport level. 1 is beginner, 10 is very experienced. Size range: 1-10 |
| locationLong | optional Float | Longitude (north/south) |
| locationLat | optional Float | Latitude (west/east) |
| profilePicture | optional String | Profile picture as Base64 string. |

Success 200

| Field | Type | Description |
|---------|--------|-----------------|
| message | String | Profile updated |

Error 400

| Name | Description |
|-----------------|--|
| Message | It is not possible to update email, password and profileImgPath with updateInfo. Check doc |
| NothingToUpdate | Nothing to update |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users - Change user password

User will be logged out and have to login with new password.

PUT

`http://192.168.153.140/users/changePassword/`

Request body

| Field | Type | Description |
|----------------|--------|--------------------------------|
| oldPassword | String | . |
| password | String | (See rules for password below) |
| reTypePassword | String | . |

Password requirements

| Field | Type | Description |
|-----------|------|-----------------------------|
| min8 | Rule | Minimum length 8 |
| max100 | Rule | Maximum length 100 |
| uppercase | Rule | Must have uppercase letters |
| lowercase | Rule | Must have lowercase letters |
| digits | Rule | Must have digits |
| notSpaces | Rule | Should not have spaces |

Success 200

| Field | Type | Description |
|---------|--------|-------------------------------------|
| message | String | Password updated and logout success |

Error 400

| Name | Description |
|------------------|--|
| Message | Param is missing. Check doc |
| PasswordRules | Return broken rules. |
| NewPasswordError | newPassword and reTypeNewPassword does not match |

Error 403

| Name | Description |
|-------------------|---|
| AccessDenied | Access denied (No session) |
| incorrectPassword | Old password is incorrect password |
| Facebook | User is created using Facebook and have no password to change |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users - Create user

Suggested matches will be found in DB

POST

`http://192.168.153.140/users/create`

Request body

| Field | Type | Description |
|------------------|-----------------|---|
| name | String | Full name |
| gender | String | Gender Allowed values: "male", "female" |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport Allowed values: "Run", "Fitness" |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. Size range: 1-10 |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |
| profilePicture | optional String | Profile picture as Base64 string. |

Authorization - Basic authentication

| Field | Type | Description |
|----------|----------|------------------------|
| Username | Email | Username |
| Password | Password | Password (Rules below) |

Password requirements

| Field | Type | Description |
|-----------|------|-----------------------------|
| min8 | Rule | Minimum length 8 |
| max100 | Rule | Maximum length 100 |
| uppercase | Rule | Must have uppercase letters |
| lowercase | Rule | Must have lowercase letters |
| digits | Rule | Must have digits |
| notSpaces | Rule | Should not have spaces |

Success 200

| Field | Type | Description |
|------------------|--------|---|
| email | String | Username (email) |
| password | String | Encrypted password |
| name | String | Full name |
| gender | String | Gender |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport |
| profileImgPath | String | Path to profile picture |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. |
| locationLong | Float | Longitude (north/south) |

| Field | Type | Description |
|-------------|--------|----------------------|
| locationLat | Float | Latitude (west/east) |
| id_users | Number | user ID |
| Session | Cookie | Session cookie |

Error 400

| Name | Description |
|---------------|----------------------|
| Email | Wrong email format. |
| PasswordRules | Return broken rules. |

Error 403

| Name | Description |
|-------------|----------------------------|
| UserExist | User already exist. |
| MissingData | DATA is missing from body. |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users - Delete user

DELETE

`http://192.168.153.140/users/deleteUser/`**Success 200**

| Field | Type | Description |
|---------|--------|---------------------------|
| message | String | User successfully deleted |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users - Get current user (based on session/cookie)

GET

```
http://192.168.153.140/users/getCurrentUser/
```

Success 200

| Field | Type | Description |
|------------------|--------|---|
| email | String | Username (email) |
| password | String | Encrypted password |
| name | String | Full name |
| gender | String | Gender |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport |
| profileImgPath | String | Path to profile picture |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |
| id_users | Number | user ID |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |

Users - User login

GET

<http://192.168.153.140/users/login/>

Authorization - Basic authentication

| Field | Type | Description |
|----------|----------|-------------|
| Username | Email | Username |
| Password | Password | Password |

Success 200

| Field | Type | Description |
|------------------|--------|---|
| email | String | Username (email) |
| password | String | Encrypted password |
| name | String | Full name |
| gender | String | Gender |
| age | Number | Age |
| mobile | Number | Mobile number |
| primarySports | String | Primary sport |
| profileImgPath | String | Path to profile picture |
| timeSpendPerWeek | Number | Time spend per week. |
| sportLevel | Number | Sport level. 1 is beginner, 10 is very experienced. |
| locationLong | Float | Longitude (north/south) |
| locationLat | Float | Latitude (west/east) |
| id_users | Number | user ID |
| Session | Cookie | Session cookie |

Error 400

| Name | Description |
|-------|---------------------|
| Email | Wrong email format. |

Error 401

| Name | Description |
|------|-------------|
| | |

| Name | Description |
|--------------|----------------------|
| Unauthorized | No password reviewed |

Error 500

| Name | Description |
|------------------|---------------------|
| Password | Incorrect password. |
| UserNotFound | User not found |
| unspecifiedError | Please report |

Users - User logout

Session will be destroyed

GET

`http://192.168.153.140/users/logout/`

Success 200

| Field | Type | Description |
|---------|--------|----------------|
| message | String | Logout success |

Error 403

| Name | Description |
|--------------|----------------------------|
| AccessDenied | Access denied (No session) |

Error 500

| Name | Description |
|------------------|---------------|
| unspecifiedError | Please report |