

Server API Documentation

API:

Note: Since this is RMI, all methods may throw RemoteException

```
boolean googleRegistration(UserProfileDto user);
boolean facebookRegistration(UserProfileDto user);
long login(String email, String password);
void logout(long token);
void createTrainingSession(long token, TrainingSessionDto trainingSession);
List<TrainingSessionDto> getTrainingSessions(long token);
TrainingSessionDto getTrainingSession(long token, UUID trainingSessionId);
void setUpChallenge(long token, ChallengeDto challenge);
List<ChallengeDto> downloadActiveChallenges(long token);
void acceptChallenge(long token, UUID challengeId);
List<ChallengeStatusDto> checkChallengesStatus(long token);
```

Additional logic:

```
// get forecast from klimat
public WeatherDto getWeatherForecast(long token, Date date, String location);

// from cycling computers
public void saveActivityRecord(long token, ActivityRecordDTO activityRecord);

// exchange data with other sports apps
public TrainingDataDto exchangeTrainingSessionData(long token, String appId);
```

DTOs:

Note: All DTOs contain as well serialVersionUID

UserProfileDto

```
String email;
String name;
String birthDate;
int weight;
int height;
int maxHeartRate;
int restHeartRate;
List<Challenge> challenges;
List<TrainingSession> trainingSessions;
```

TrainingSessionDto

```
UUID id;  
String title;  
String startTime;  
Date startDate;  
SportType sportType;  
float distance;
```

ChallengeDTO

```
UUID id;  
String name;  
String target;  
Date startDate;  
Date endDate;  
SportType sportType;  
ChallengeStatus challengeStatus;
```

ChallengeStatusDTO

```
float progress;  
UUID challengeId;
```

TrainingDataDto

- out of scope

ActivityRecordDTO

- out of scope

WeatherDto

- out of scope

Enums:

AuthProviderType

```
GOOGLE, FACEBOOK
```

SportType

```
RUNNING, CYCLING, RUNNING_CYCLING
```