

TEST / PYTHON SEMI SR DEVELOPER

Winclap distributes application campaigns in the following way. Each campaign has "segmentation attributes" that define the target user of the campaign. These attributes are:

- gender: Male, Female, All
- min_age: the minimum age of the user. If this attribute is null, there is no restriction about min age.
- max_age: the maximum age of the user. If this attribute is null, there is no restriction about max age.
- platform: iOS, Android, Windows Phone.
- connection: WiFi, Mobile data, All.

When an application (running in a user phone) request a campaign to show to the user, send the user data to the Winclap API. The following data is sent:

- gender: Male or Female
- age: the age of the user (integer)
- platform: iOS, Android, Windows Phone
- connection: WiFi or Mobile data.

The, the Winclap algorithm select the campaign that better adjust to the user attributes and return the response with this campaign.

Given the file "campaigns.json", that contains a list of actives campaigns, and the file "user.json", that contains one user, develop a function that response with the best campaign for this user.

Observations

All the problems must be uploaded to a GitHub repository and send the link to developers@winclap.com.

All the problems must be resolved with Python 3.

For any doubt or questions send an email to developers@winclap.com.