Goals & Components

The main goal of the app is to use Twitter Data of a celebrity ( which has a lot of comments and likes and retweets etc.) and create a statistic of how her/his tweets has impact ( positive or negative ) on her/his current popularity. Using this data we are going to create some early statistics ( using data from the API ) and stored them for creating a database for a neuronal network . This network will predict using the current data how legit is the person analyzing current tweets in compare with what is going to post next. All the results will be transformed in graphics ( one will be for current data, which will be shown instantly after we get the data from Twitter and the other one will be displayed when the neuronal network finish it`s job .

Apps main component and some links explaining how we are going to implement it :

* **Collecting Data :** this component will have the goal to collect the data from Twitter API and prepare it to be stored efficient. ( <https://developer.twitter.com/en/docs/tweets/post-and-engage/overview> )
* **Parse Data and store it :** this component will have to use the data from “Collecting Data component” and start to parse it ( we still researching about what we are going to use from what twitter is providing us ) and store it ( maybe a database , or some static files ) link : https://jsonlint.com/
* **Drawing Graphics :** using the current stored data we are going to present to the user some nice statistics using multiple graphics, using a really nice library for drawing graphics in Python ( <https://matplotlib.org/> )
* **Main Interface :** this module will have the purpose to combine all the components from the project to display a nice interface for user interaction
* **AI Module :** this component will work offline after the app has enough data to train a neuronal network for getting some predictions using current database. After the module can work will have his specific graphic showing the results.
* **Statistics Module:** this module will calculate and determine using the current data from Twitter API some preliminary statistics of the current profile. This results will be send to “Graphics component" to display them nice.