Vision Statement
Written by Enna Grigor

Project:
Web based tool that identifies dangerous users in social media networks via text and images.

Details and Goals:
- The tool will scan text and images from social networks that have public API.
  The main goal is to focus on popular APIs for example Twitter, Facebook, YouTube.
  The text extracted can come from comments, posts, published links.
- During the scan the tool will monitor and identify keywords according to a pre-defined "dangerous" vocabulary.
  For example words like massacre, killing spree, murder, guns, etc.
- The tool will scan the images posted by users with the help of image detection, it will identify and alert on images that constitute "red lights" such as images with weapons, flags of terrorist organizations, etc.
- With the help of both types of monitoring and identifying (text and image) we can maintain a list of suspicious people who may pose a social danger.
- Then, the goal is to classify the level of risk of those people on the list.
  For example:
  - Risk classification of how "dangerous" the person is.
    (red flag, orange flag, yellow flag, green flag)
  - Whether the risk is social or political (dangerous to the country).
  - How many more "dangerous" friends the same user has.
  - In what geographical area the user inhabits.
- Another feature is the ability to enter a username/full name of a user, select criteria and search for it according to those criteria and thus check if it poses a social danger.

Prioritization of features:
Essential: Text and image detection, ability to maintain a list of suspicious people, classification of the risk of danger.
Desirable: Adapting the tool so that it works with multiple social platforms, building a feature that scans a single user's social media background.

Major milestones and deliverables:
1. Extraction of information from social media.
2. Scanning the information and storing the "suspicious" information in a key-value based database.
3. Classification of the data based on criteria specified in advance.
4. Displaying the information in user-friendly web platform.

Target customer:
The customers for the product are security organizations or even civilian companies that want to perform a background scan for a new employee in the company.