Feature classes

User features:
** Each of these features are used for Self and Candidate

- ~~Profile picture~~
- Gender: M/F/N/O
- Age: 18 - 65
- Race / Ethnicity:
- Profession:
- Education:
- Sexual orientation:
- Hobbies:
- Interests:
- Personality: (Introverted, Extroverted, Ambivert)

Mixed reality features:

- Gaze (Self):
- Gaze (Candidate):
- Occlusion / Visibility of Candidate in Self FoV:
- Occlusion / Visibility of Self in Candidate FoV:
- Body language (Self):
- Body language (Candidate):
- Fashion (Self): (Trendy, Athletic, Casual, Formal)
- Fashion (Candidate): (Trendy, Athletic, Casual, Formal)
- Tattoos (Self & Candidate)
- Hairstyle (Self):
    - Hair length: (Long, Short)
    - Hair texture: (Curly / Wavy, Straight)
- Hairstyle (Candidate):
    - Hair length: (Long, Short)
    - Hair texture: (Curly / Wavy, Straight)
- Human congestion level (Environment): (Crowded, Not Crowded, Empty)
- Conversational intensity (Candidate):

Right-time features:
** The Environment classification implies that this feature value is the same for both Self and Candidate.

- Location:
- Proximity:
- Time:
- Weather (Environment): (Rainy, Sunny, Cloudy)
- Human noise-level (Environment):
- Non-human noise-level (Environment):
- Conversational intensity (Self):

Limitations:
** These features are excluded from the survey because they do not configure into the scenario-based social nature of the study.

- Device type:

Scenarios

Deterministic
** These features will be collected during the pre-survey from the survey participants, since these features will be used to populate the profiles.
** We are collecting these feature values from the pre-survey to be used for both Self and Candidate

- Gender: M/F/N/O
- Age: 18 - 65
- Race / Ethnicity:
- Fashion: (Trendy, Athletic, Casual, Formal)
    - ** We will need to collect the value for this feature per location.
- Hairstyle:
    - Hair length: (Long, Short)
    - Hair texture: (Curly / Wavy, Straight)
- Hobbies:
- Interests:
- Personality: (Introverted, Extroverted, Ambivert)

Non-deterministic
** These features will be randomly selected during scenario creation after the pre-survey is complete.

Time

- Workday (Monday, Tuesday, Wednesday, Thursday, Friday)
- Weekend (Saturday, Sunday)

Location

- ~~Sit-down restaurant.~~
- Bar / Nightclub.
- Workplace / University (library, office, etc.).
- Community Events (block-party, church, social clubs, etc.)
- Cafe / Coffee shop.
- Attractions (museums, concerts, movie theater, shopping mall, amusement parks, etc.)
- Outdoor Activity (dog parks, walking/hiking trails, parks, neighborhood, etc.)
- Gym.

Proximity

- Close
- Far

Gaze

- Looking

- Not looking

Body language
- Open
- Closed

Human noise-level
- Loud
- Quiet

Non-human noise level
- Loud
- Quiet

Conversational intensity (Self):
- High
- Low

Conversational intensity (Candidate):
- High
- Low

Demo

- Our program creates a survey that takes the pre-survey as input, selects random values for the non-deterministic features, and creates user profiles out of the user-collected data to populate the deterministic features. This will be used to create a set of sample scenarios that will be provided to the study participants in Amazon Mechanical Turk. Tentatively, we will collect 900+ data points with five individuals over 12 sessions, where each participant will fill out a pre-survey and a post-survey.
- Questions:
    - Is there a way to automatically run our script between the pre-survey and the post-survey?
    - Is there a way to automatically create a survey from the output of the script?