**BetterSelf**

**Solo Project**

**Project Description:**

This project is a self-improvement web app, where users create, generate goals for, and track their own behavior change targets. The app also includes user-added quotes to add motivation.

**Features It Will Have:**

* User views landing page that explains program, links all go to register or login
* Login and registration with validations (must be logged in to see anything else)
* User can view public wall of motivational quotes (Django templating)
  + Quote
  + Author
  + Who added
  + Number of likes
* User can add motivational quote objects (one user to many quotes, form validations)
  + Quote (Text field)
  + Author (Char field)
* User can add/remove “like” objects to quotes (many users to many likes)
* User can add behavior change target (one user to many targets, form validations)
  + Behavior label (e.g., Steps, Cigarettes) (Char field)
  + Reason for wanting to change behavior (Text field)
  + Measurement unit (Char field)
  + Direction of desired change increase (= 1) or decrease (= 0) (Integer field)
* User can add baseline behavior data entry objects (many entries to one target and one user, form validations)
  + Date (Date field)
  + Total for the day (e.g., step count, number of cigarettes smoked) (Num field)
  + Notes (optional) (Text field)
* User can add intervention behavior data entry objects (many entries to one target, form validations)
  + Date (Date field)
  + Total for the day (e.g., step count, number of cigarettes smoked) (Num field)
  + Notes (optional) (Text field)
* User can view behavior data
  + Table with entries, baseline avg – each intervention value, each intervention value compared to goal (goal met or not)
  + Baseline average
  + Calculated goal (average of baseline + or - 10%)
    - Click to generate new goal (last goal + or - 10%)
* User can edit / delete behavior data entries (form validations)
* User can view their own profile page (conditional view)
  + See their own motivational quotes added
  + See the motivational quotes they liked
  + Links to behavior change program(s)
* User can change password (form validations)
* User can change display name (form validations)
* User can edit, or delete own quotes on profile page (form validations)

**Features I Would Also Like to Have:**

* Matplot line graph of entry data
  + Baseline, intervention, and goal data (y-axis)
  + Date (x-axis)
* User can add pictures / memes to motivational wall
* Social wall with posts / commenting / picture uploads