- Take initial survey
    - Primary actor
        - App user
    - Goal in context
        - Give an initial survey to users to allow the program to understand their body type and plot track based on this data
    - Preconditions
        - App user has downloaded app and created an account
    - Trigger
        - User has just created an account or has accessed the survey via settings.
    - Scenario
        - Ask for user to input height (in or cm)
        - Ask for user to input weight (lbs)
        - Ask for user to input age (birth date)
        - Ask for user to input gender (M/F)
        - Ask for user to input exercise habits (light/moderate/hardcore)
        - Ask for user to input weight goal via weight loss/gain per week and desired weight
    - Exceptions
        - User inputs invalid or no argument into survey, all questions are required
    - Priority
        - High
    - When Available
        - First increment
    - Frequency of Use
        - Every account creation
    - Channel to Actor
        - Via mobile app interface
    - Secondary Actors
        - App client
    - Channels to Secondary Actors
        - Submission of initial survey
    - Open Issues

        - In what ways can the survey questions be optimized to allow for maximum ease of use?
        - Can daily nutritional habits be factored into the survey without it seeming too cluttered?
- Recommend daily caloric intake
    - Primary actor
        - App client
    - Goal in context
        - Take user survey results and recommend a daily caloric intake that they should follow to achieve their desired weight goal
    - Preconditions
        - App user has completed initial survey after account creation
    - Trigger
        - User has clicked the button to complete their survey
    - Scenario
        - Take the user-inputted information and calculate the user's TDEE and target daily surplus
        - Display daily calories and macros to the user's homepage (calories, proteins, fats, carbs)
    - Exceptions
        - User has inputted faulty information into survey (e.g. a string into the weight box)
    - Priority
        - High
    - When Available
        - First Increment
    - Frequency of Use
        - Every time user logs in
    - Channel to Actor
        - Via completion of mobile app survey
    - Secondary Actors
        - App user
    - Channels to Secondary Actors

        - Mobile app homepage
    - Open Issues
        - What essential macros are needed to be calculated?
        - How much will macros mean to the user?
        - How can we track whether the user inputs faulty information?
- Self-report food eaten
    - Primary actor
        - App user
    - Goal in context
        - User will input the foods they eat throughout the day via food database separated into “meals”
    - Preconditions
        - User has logged in and has completed survey
    - Trigger
        - User clicks a button to input a meal/snack that they eat at any given time
    - Scenario
        - User enters food selection screen
        - User uses search bar to search database for desired food or searches through previously added foods
        - User adds food to daily caloric intake, factoring in protein, sugar, and fats
        - Daily intake on homepage is updated with added calories/macros
    - Exceptions
        - user searches database for a food that doesn’t exist
    - Priority
        - High
    - When Available
        - Second Increment
    - Frequency of Use
        - Multiple times daily
    - Channel to Actor
        - Mobile application form
    - Secondary Actors
        - App client

    - Channels to Secondary Actors
        - Adding food to daily intake
    - Open Issues
        - How do we deal with the user not being able to find the correct food they're looking for?
        - We can only approximate using a database as serving sizes can vary the calories/macros added in a meal (can phone serve as food scale?)
- Self-evaluate weight and weight goal
    - Primary actor
        - App user
    - Goal in context
        - User can input their weight daily or weekly and gather statistics on how their weight is changing over time
    - Preconditions
        - User is logged in and has access to the mobile application home page
    - Trigger
        - User decides to update their current weight via Nutrify
    - Scenario
        - User clicks a button on the mobile application homepage to update their current weight
        - User inputs their weight (lbs or kg) and clicks a "confirmation" button
        - Updated weight is displayed on the weight-goal page.
    - Exceptions
        - User inputs an invalid weight measurement (e.g. a string)
    - Priority
        - High
    - When Available
        - Second increment
    - Frequency of Use
        - Daily/weekly depending on user
    - Channel to Actor
        - Via mobile application form
    - Secondary Actors

        - App client
    - Channels to Secondary Actors
        - Updating weight value
    - Open Issues
        - How can we ensure a daily/weekly weight update from the user?
- Graph nutritional health over time
    - Primary actor
        - App client
    - Goal in context
        -
    - Preconditions
        -
    - Trigger
        -
    - Scenario
        -
    - Exceptions
        -
    - Priority
        -
    - When Available
        -
    - Frequency of Use
        -
    - Channel to Actor
        -
    - Secondary Actors
        -
    - Channels to Secondary Actors
        -
    - Open Issues
        -
- Send notifications to help achieve calorie goals

- Primary actor
  - App client
- Goal in context
  - Provide incentive to the user to achieve goals by encouraging them to input weight and calorie updates via phone notifications
- Preconditions
  - User has created an account and has completed the initial survey
- Trigger
  - User has not provided any food intake past a certain meal time, or any weight value for that day
- Scenario
  - User does not input any food eaten past a certain meal time threshold
  - Client sends notification to phone recommending the user to input any food eaten for that meal time
- Exceptions
  - n/a
- Priority
  - Low
- When Available
  - Third Iteration
- Frequency of Use
  - Multiple times per day
- Channel to Actor
  - Mobile app interface
- Secondary Actors
  - App user
- Channels to Secondary Actors
  - Notification via phone
- Open Issues
  - What if the user does not eat meals at normal times specified by the application?