

## Term Proposal

My idea is Diet Tracker/Manager. The app will use navigation controller to switch scenes. Home scene might have a log in functionality or two buttons, New Diet and Continue Diet. Next scene is editing the user's personal attributes/stats, height, age, sex, weight, target weight, etc (EditText), with Not Change and Continue button. Then one scene is showing how much calorie the user needs to consume daily to achieve the target weight in the specified timeframe with some simple calculations (maybe a calculate button or just showing the calculation result). One screen might be allowing user to type up to five types of food and calculate calorie if the meal is too little or too much for them( EditText). One scene might be suggesting potential exercise of daily calorie requirements for user with simple calculations (list view). Potentially sensitive data will be stored in keychain for security. CoreData models are user's stats with various attributes, food's calorie with various attributes, and exercise's calorie with various attributes.

Optional items might be allowing user send some diet summary email to report the dieting progress or interact with calendar to set milestones of the dieting process. For example, lose 20 lbs. in 30 days, first milestone is losing 10 in 10 days, second milestone is losing 5 in 7 days, third milestone is losing 5 in 13 days. Playing sounds when daily goal were met or playing some exciting videos when a diet succeeds. I might need some other interesting/complex ideas.