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## Technical Documentation

### 1) Documentation for data-entry.jsx:

Class: DataEntryForm

The purpose of the class is to prompt users to enter important information that is need to give users their health stats.

Constructor: constructor(props){...this.state={...}...}

The constructor takes in six string fields and three boolean fields. The string fields represent the actual inputted data; age, sex, weight and weight units, height and height units. The three boolean fields are used to alert the user to input errors for sex, and units of height and weight.

Functions:

Name	Parameter; Type	Description
addweight()	w; string	User input weight as a number value.
addweightUnits()	unitw; string	User input weight units as lbs or kgs.
addheightUnits()	unith; string	User input height units as feet/inches or meter/centimeters.
addheight()	h; string	User input height as a number value.
addage()	a; string	User inputs age as a number value.
setsex()	gen; string	User inputs sex as male, female, other
enterForm()	N/A	User is prompted to check if information is correct. User can proceed or change information.
render()	N/A	Form is created for the user to enter information.

### 2) Documentation for weight-range-chart.jsx and weight-area-chart.jsx

Class: WeightRangeChart extends React.Component{}

This class creates a chart to show weight ranges for multiple app users. The user's data will be graphed and denoted by pins on this graph

Class (weight-area-chart): WeightAreaChart extends React.Component{}

This class creates an area chart to show weights for app users.

Constructor: function Datapoint(uunit,uvalue,ulat,ulon,utime,ugender)

The constructor takes in six fields. The fields ulat, ulon, utime are numbers latitude, longitude, and time respectively. Field uunit and ugender are strings for unit of weight and user's gender and uvalue is a string for weight value.

Functions:

<b>Name</b>	<b>Parameter; Type</b>	<b>Description</b>
GenRandomData()	No inputs. The variables are randomly assigned values. Return is just an array.	Data is created with a random number generator to create users with random weights and genders. Latitude, longitude and time are set to 0.
rangelncrement()	uobj, rangearray. Object and array.	User object and weight range array are inputted. Function generates data to show user weight and gender as pins on the chart.