**Fitness Module Planning:**

Fitness The fitness module is an activity module. It concerns itself primarily with the user. It uses information about the movement of the user on campus providing functionality similar to Fitbit activities but limited to the navigation provided by NavUP.

**Aspects:**

Uses navigation provided by the application to facilitate fitness functionality similar to that of the Fitbit.

**Fitbit functionality:**

* Total step count
* Total distance travelled
* By entering user weight and age we can calculate the number of calories burned

**Optional and more complex functionality:**

* Average travel speed to destination
* Show fastest times etc.
* Showing trends of distances across the week on different days \*

**User information required:**

* Weight (How comfortable would people be giving this information?)
* Age
* Distance travelled in kilometres, obtained by the navigational system
* Can retrieve step size by user to provide a step-count.

**Possible Classes:**

**User:**

This is where information such as weight, age and other information referring to the user would be stored.

**FitnessCounter:**

This is where a tally or counter of the total distance travelled for each week, day, month etc. can be stored.

**FitnessCalculator:**

This class is where all the information from the FitnessCounter can be retrieved and calculations on the statistics can be performed in order to calculate calories burned and a total step count.

**FitnessReporter:**

This class is where the results of the calculations performed in FitnessCalculator can be retrieved and displayed to the user in an easy to read manner including trend reports and general health statistics , maybe even some health facts or suggestions.