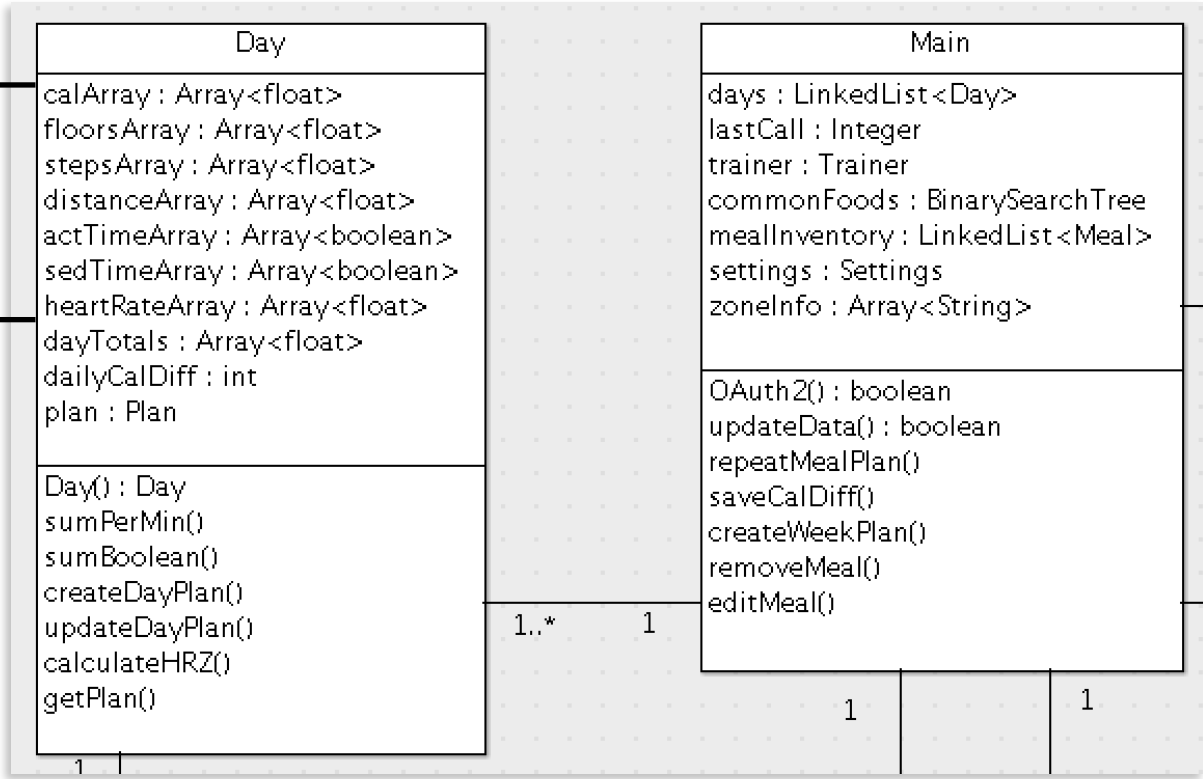


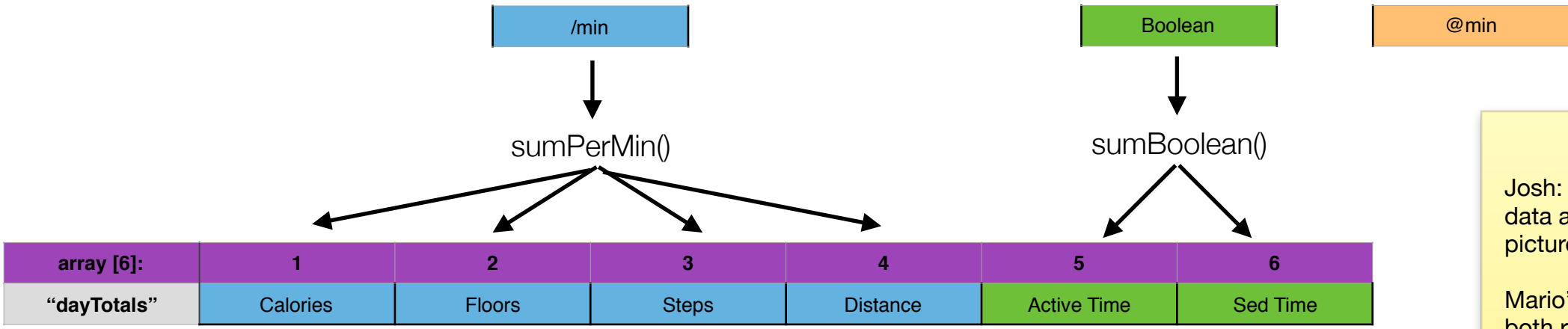
A Single Day Object contains 7 arrays to store the raw data once it has been pulled out of the downloaded API file

Categories:	Arrays						
	1	2	3	4	5	6	7
	Calories	Floors	Steps	Distance	Active Time	Sed Time	Heart Rate
1140 Min in a Day [1140 Rows]	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min
	/min	/min	/min	/min	boolean	boolean	@min



After “updateData()” in the main class makes the API calls, receives the raw data, and pulls out the raw data, it will store the pulled out data in these 7 arrays in this specific format (pictured here on the left)

In the main class, you can see that there is a Linked List of Day objects.



∴ 3 Data Formats in total

Josh: will write the methods to process (sum) up the data and store the processed data in a new array as pictured here to the left

Mario’s comment: complement of active time (for both raw data arrays and processed data) is equal to Sed Time

IMPORTANT NOTE:

All the other team members will be implementing the remaining classes and methods under the assumption that the data will be stored in this format and in these arrays. So if either of you (Mario or Josh) think there is a better way to store the data or there’s something wrong with this approach, you have to communicate to us asap.