

Habit
<p>Responsibilities</p> <p>*Attributes:</p> <ul style="list-style-type: none"> <li>-Title (20 characters)</li> <li>-Reason (30 characters)</li> <li>-Date to Start</li> <li>-List of HabitEvents</li> <li>-Weekly schedule of a habit</li> </ul> <p>*Methods:</p> <ul style="list-style-type: none"> <li>-Edit details</li> <li>-Details of a specified habit are viewable</li> <li>-Has visual indicators to show how they are keeping up with the habit.</li> <li>-Interacts with visual indicators</li> <li>-Given a day, tell if a habit is scheduled on that day (True/False)</li> <li>-Get the list of all the HabitEvents related to this habit.</li> </ul>
<p>Collaborators</p> <ul style="list-style-type: none"> <li>- HabitEvent</li> <li>- Profile</li> <li>- Visual Indicator</li> </ul>

HabitEvent
<p>Responsibilities</p> <p>*Attributes</p> <ul style="list-style-type: none"> <li>-Habit</li> <li>-Date</li> <li>-HabitOccurence</li> <li>-Photo(Optional)</li> <li>-Comment(Optional)</li> <li>-MapLocation(Optional)</li> </ul> <p>*Methods</p> <ul style="list-style-type: none"> <li>-View event details</li> <li>-Edit</li> <li>-Share event on profile</li> </ul>
<p>Collaborators</p> <ul style="list-style-type: none"> <li>- Habit</li> <li>- Profile</li> </ul>

Profile
<p>Responsibilities</p> <p>*Attributes</p> <ul style="list-style-type: none"> <li>-Username (Required: Used as a the unique identifier for a profile)</li> <li>-Name</li> <li>-Age(Optional)</li> <li>-Date started</li> <li>-List of Habit</li> <li>-Following: A list of profiles</li> <li>-Followers: A list of profiles</li> </ul> <p>*Methods</p> <ul style="list-style-type: none"> <li>-add the habit</li> <li>-edit the habit details</li> <li>-Share a habit event</li> <li>-Make a habit event public</li> <li>-Delete a habit</li> <li>-Request or add a follower</li> <li>-Get/give access to all the habits of the profile</li> </ul>
<p>Collaborators</p> <ul style="list-style-type: none"> <li>- Habit</li> <li>- HabitEvent</li> </ul>

Visual Indicator
<p>Responsibilities</p> <p>* Attributes:</p> <ul style="list-style-type: none"> <li>* Habit</li> <li>* WellnessPercentage</li> <li>* List of HabitEvents</li> </ul> <p>* Methods:</p> <ul style="list-style-type: none"> <li>* Formulate a wellnessPercentage from a list of habit events of a particular habit</li> </ul>
<p>Collaborators</p> <ul style="list-style-type: none"> <li>- Habits ----&gt; gives us the habit events used to calculate the percentage</li> </ul>