

Description: A widget that creates an alarm to wake up students based on their first class of their day and user variables (time to get ready in the morning, distance from school, next bus to get to school). Alarms are created on google calendars with google maps to determine distance from school and bus times.

Interaction: There will be a couple of interactions that will be required between the user and the widget such as:

1. The user will have to select a sign in button and sign into their google account so the widget has access to their google calendar.
2. The user must input the amount of time it takes them to get ready in the morning, to add to the alarm equation.
3. The user must input their location so that Google Maps will be able to find their address and distance from the school.
4. The user will need to select a button after the previous interactions have been completed so that the schedule with alarms is created.
5. The user must confirm that the created alarms are acceptable by selecting ok or edit.
6. After the alarms are generated, the users can edit the original input values and recreate the alarms.

The following are some of the implementation challenges that may be faced in this project:

1. Fitting the alarm scheduling flow into the tiny widget space (do we create new views or use popups, etc.)
2. Validating the inputted address (Google maps should help in this case but what if there are no available bus routes.
3. Making the design of the flow aesthetically pleasing to the users.
4. Handling schedules that include block courses or labs, which do not follow consistent schedule.

