

#### Overview

The Active Alert Scheduler is a scheduling and calendar app specially designed for use by UNH students. This is useful for students that have trouble or anxiety getting to classes on time. It will keep track of classes and alert a user when to leave based on where the user is relative to the destination, then automatically pulls up a map directing them to their next class.

#### Methodology

- 1. The user sets their classes and times.
- 2. The Active Alert Scheduler will automatically queue up directions to the next class. It uses the Google Maps API to get directions and estimated travel time.
- The app uses Place IDs rather than names because they receive faster and more accurate results from the API. Names often give inaccurate locations on campus or are not sufficient for names of locations contained within other buildings.
- 4. The app will alert the user to start heading to their next class five minutes before they would need to leave to get to their class on time, based on the calculations from the API.





- the first place saves time and is more accurate

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#### **Application Architecture**



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### Goals

- Offer a more convenient way to keep track of classes.
- Reduce stress for new UNH students.
- Provide more accurate directions to locations on campus than Google Maps by using Place IDs from a pre-set list of common locations.

## Results

- The app in its current form can show the path to the next class and give an alert when it is time to leave.
- It can only track a single day, it can't keep track of a week of classes.

### Next Steps

- Adding the ability to configure additional days of the week.
- Improving mobile functionality.
- Expand the types of locations available. Not just educational buildings but also places to eat or do activities.
- Allow users to add addresses so that they are not confined to the premade list.
- Connect class names and section numbers so that putting in the schedule is unnecessary.