Massachusetts Academy of Math Science at WPI

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Wake Me Up! Alarm Clock

Motivation:

According to various sources*, approximately 75% of people find it difficult to wake up in the morning. About 79% of Americans say that having a "bad wake up experience can ruin their day." In addition, a survey was conducted to about 100 high school students, and about 90% of students find the sound of their alarm clock to be annoying. Having a good wake up experience is important, and pesky noises from alarm clocks can ruin a good morning experience.

Competitors:

Our current competition includes alarm apps that have many methods to create a better wake up experience. Some apps analyze a user's sleep cycle to determine when to wake them up. However, these apps are costly and inaccurate, and are heavily reliant and the user's bed time, which isn't always consistent. Other apps prompt the user to complete certain tasks, such as simple math problems, to turn off their alarm. However, these tasks can become repetitive. Furthermore, a user who is fully awake may find the tasks annoying to complete.

Future Extensions:

- Mental exercises: When the alarm goes off, the users will have to do a few simple mental exercises such as simple math problems to turn off the alarm. These mental exercises will help the users become more alert right after they awake.
- Pre-built arrangements: If the users do not have time to create their own alarm clock and don't want to wake up to a boring alarm they can choose a few default mixes created by the app developers
- Sleep clock: The purpose of the sleep clock is to help the users fall asleep. The sleep clock will play soothing music while the users is in bed trying to fall asleep, and it will automatically shut off after a set period of time.
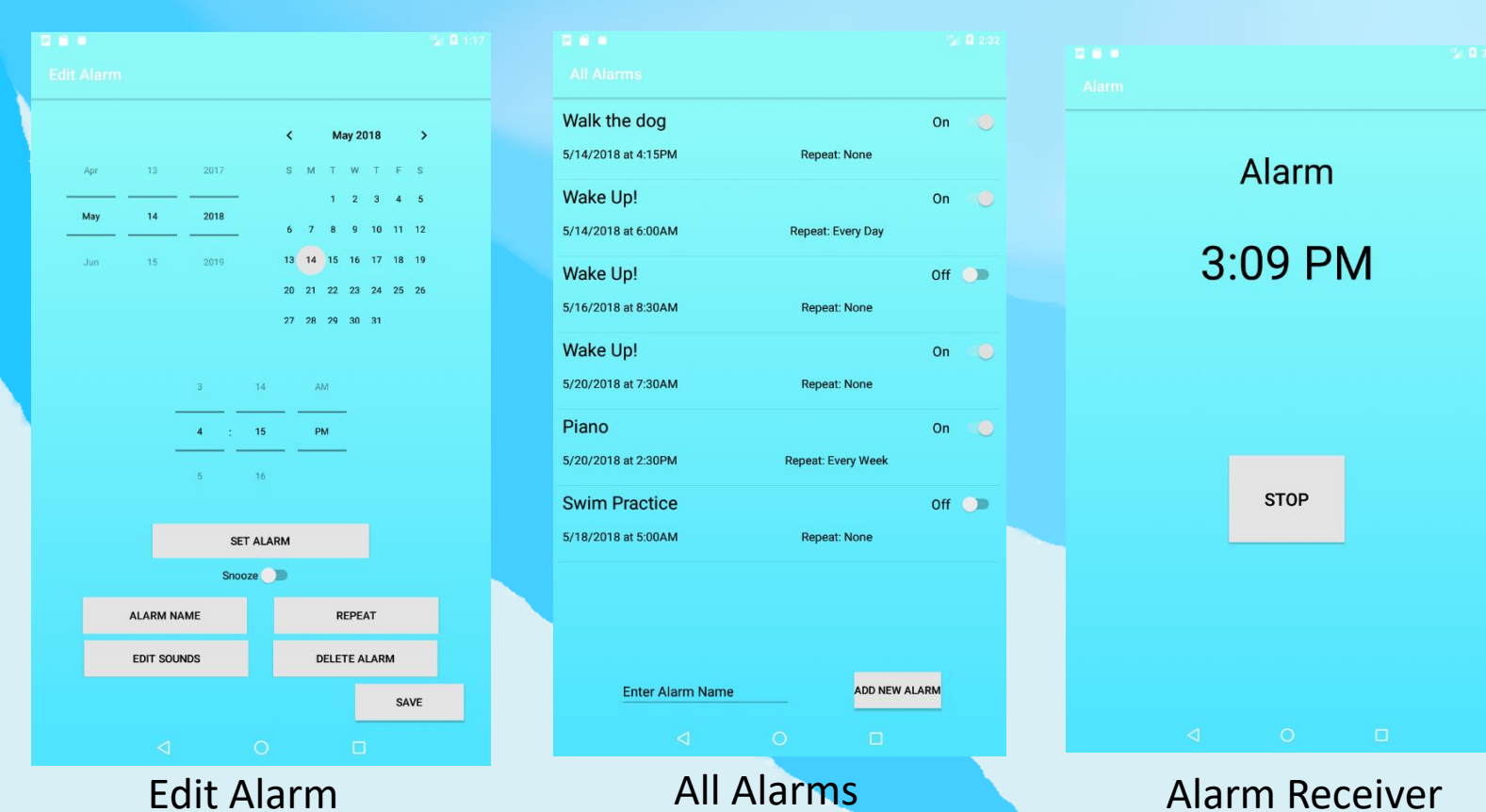
Our Solution / MVP:

This app will allow users to be creative and personalize their own alarm clocks. The users can implement a variety of different sounds: built in default noises (such as horns, firetrucks, bells ringing, etc.), voice recordings, and songs from the users' music library. The sounds can then be arranged one after another to create one alarm.

Logic Flow Chart:
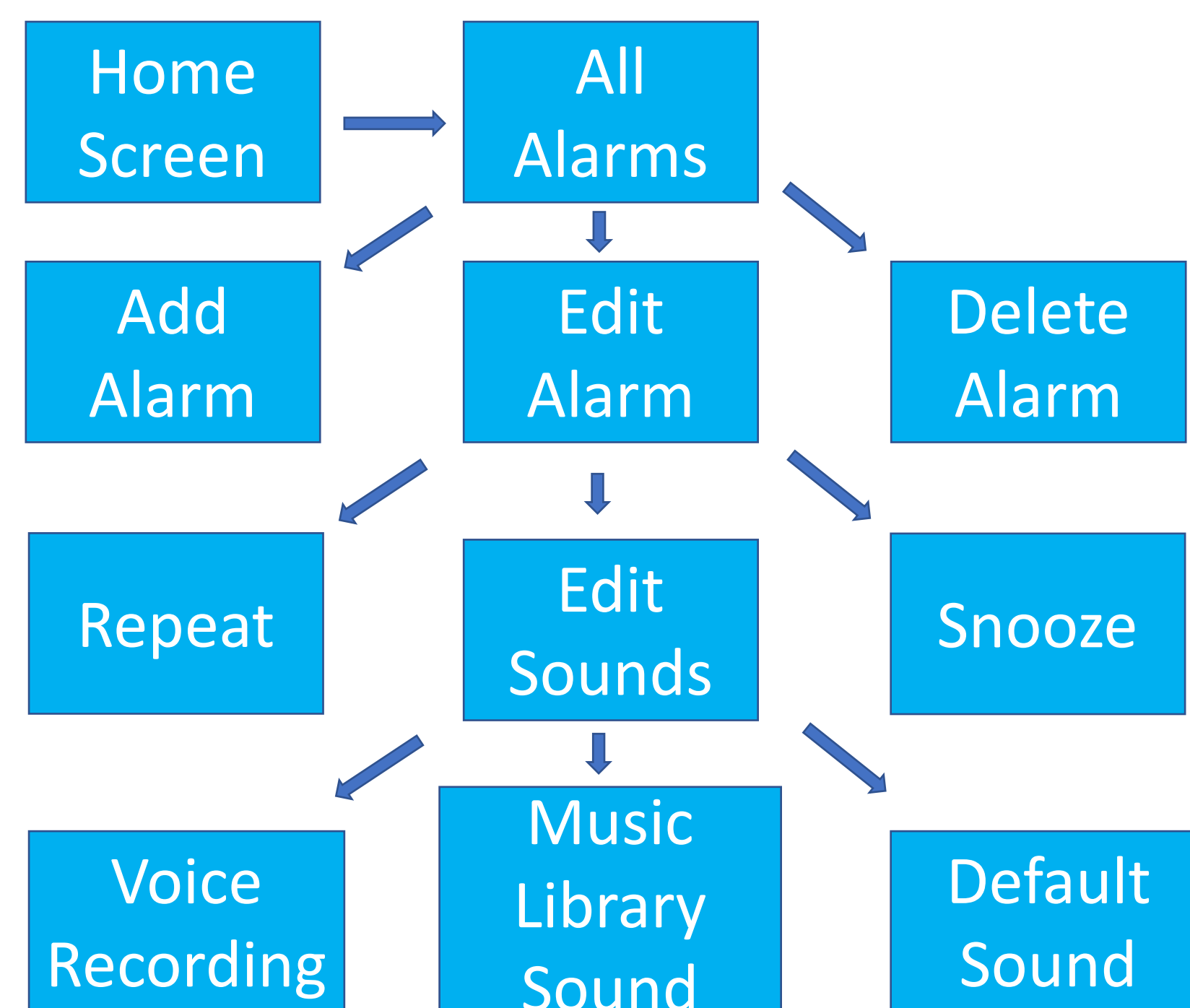
Potential Users:

The alarm clock app can be used for a variety of different people, from teenagers and college students, to the working class. In general, the app can be helpful for anyone who wishes to wake up at a specific time in the morning.

Alarm Screens

Edit Alarm   All Alarms   Alarm Receiver

3rd Party Tools:

- Android Music Library