**Requirements Evaluation**

**Competitor Analysis**

Too many lights on one screen can become confusing as it overcrowds a page.

Settings for lights are kept after applying them.

Having the option to group lights together is a feature that is wanted in competitor apps.

**Personas**

**Single Commuter**

* Have it set up like an alarm system where you choose a time for the lighting or heating.
* Have a ‘time on option’ (e.g. starting at 12 for 3 hours) or an indefinite option (e.g. till turned off).
* Show the schedule in a visual way (similar to school timetable).
  + Could also use colours to show what is being turned on or off (e.g. orange for temp and blue for lights.

Being able to change the temp/lights easily

* Having the schedule in a separate section to differentiate between immediate changes and changes to the schedule
  + Have the temp and lights in their own sections with simple controls to adjust **on the fly**
    - Compartmentalises the different functions of the app to make it easier to use

Maybe have a dial to control temp and light. Or a slider (could be a thermometer with a slider in it to show the temp changing). Having plus and minus buttons to make smaller changes. Colour changes as you adjust.

Having a button to apply changes where a buzz and sound would go off would make it clear to the user that they’ve made a change.

Having a busy life style would make being able to set up a schedule useful (saves time from having to constantly go to the app)

**Elderly User**

Having a help section or tutorial could be useful for those with less tech experience.

User is likely retired so they probably don’t leave the house much. This would make having the schedule repeatable weekly useful.

Not too much on the screen at once. Don’t want to overwhelm.

Bigger text/images to make it easier to see in general.

Having some pre-set schedules to choose from would make it very easy to set up. Making adjustments to the schedule would have to be very simple too.

**Single Parent**

Schedule again would be useful as both the child and parent have set times for when they get off work/school.

Having a ‘child mode’ would be good for a parent to give their child access without complete control. This would have simplified controls and limited access to parts of the app. When any changes are made by the child the parent should be notified of them on their phone.

Being able to override the schedule would be important for everyone as plans can change.

Having a pre-set called ‘night light’ would be good for children or elder people who need it during the night. The lights would dim instead of turn off completely. Being able to override this would also be good.

**Student**

Having an option to let the lights brighten or dim (a blue light filter) throughout the day based on what the light sensor is getting could be a good thing to have as users in general aren’t likely to want to specify brightness in the schedule.

Also having a lower limit to the temp would be good as a way to save on energy. This would also make it simpler for users when setting up the schedule as they don’t have to specify temps.

Having a notification/buzz appear whenever a change happens (even when it is part of the schedule) would be good as the user could want to override that change.

Having a ‘bedtime’ feature where the lights and temp turn off at a ‘bedtime’ would be good. Having a snooze button appear within a notification to delay this happening would be useful.

**Non English Speaker**

Use mostly universal symbol. The fewer words the better.

Have a language section.

Have a first set up page to choose language/disabilities ect.

**Disadvantaged Person**

Have a first set up page to choose language/disabilities ect.

Have phone vibrate/make noise on notification, or action.

Have phone led light up on notification.