The user interface shows the list of residents and their respective rooms and times at which they need to take their medication.

Resident profiles can be added, deleted and updated.

Medication settings allow for up to 5 separate alarms to be set for each resident and these alarms are linked to the bracelet which then buzzes at the set time.

The program allows carers to find a specific resident, by searching their last name.

The prototype seen is a large scale version of the final bracelet. This is to enable thorough testing before scaling down all components and parts.

Made of Epoxy Acrylate using 3D printing, the prototype of the Arclet is comfortable to wear and fully functions as a working prototype. The final bracelet will be made of ABS and will be produced using injection moulding.

A bespoke software program has been written in order to control the Philips’ Hue Bridge from the bracelet allowing the user to adjust the light, all for assistance, and be reminded when to take medication.