## Irene R. – Detailed view (v1)

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## Irene R. – ALS

Requirements: 1. Be able to voice control her Golden recliner

Solution – High Level: 1. We developed a voice activated controller that enables Irene to give voice commands of various durations to move the head rest and foot rest ends of her Golden recliner.

## **Details of the Solution**

**1 – Voice Control her Golden Recliner –** Irene has ALS and would like to be able to voice control her Golden lift chair/recliner.

**1 – Detailed Solution -** We designed a voice activated controller that allows Irene to adjust the backrest and footrest using voice commands. Since the wiring design of the chair is not very complex, we had to also provide a switch box so her husband could switch between a hand controller and the voice activated controller. If in the future Irene's voice degrades to a point where she needs a communicator device, we will help design a custom pageset that will enable Irene to focus on an object on the communicator screen and the chair will respond by moving, just as if a voice command were given.

Here is a Visio diagram of the solution.

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