**Individual Journal**

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Senior design project I

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The problem is how to demonstrate grandma or loved-one's was in the bed or not. This can be monitoring his/her body weight and motion. That because wandering can be dangerous and the stress of this risk weighs heavily on caregivers and family. The device will consist of two parts. First, a sensor system that is located under the patient bed and throughout the house to collect and analyze data with an Arduino microcontroller. Second, an alarm/LED that is designed to go off when the system indicates that grandma is doing something “abnormal”.