



## Margaret Brown

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Marge is a 70-year-old retiree, a mother of 3 and a wife to Bob Brown. Though her work-life is long behind her Marge still leads a highly social life, spending a lot of time with friends and volunteering in her community.

Recently, Margaret's husband Bob has begun to suffer from the early stages of Dementia. Though he still capable of acting independently, Marge has had to spend more time with Bob to prevent him from wandering and causing accidents. Though the arrangement works, it is also weighing on them both. Marge has less opportunities to leave the house, and Bob is not allowed to be left alone.

Marge has a basic understanding of technology, but her children are available to help her learn. She mostly uses simple apps on her phone, such as alarms, internet browsers, and Facebook.

### Key attributes

- Organised
- Can use technology (somewhat)
- Busy

### Tasks

- Volunteering
- Social life
- Shopping
- Other responsibilities

### Quotes

- "I've been married to [him] for 53 years. I first noticed there was something wrong about 5 years ago... It started getting frustrating for me, and finally we went to the doctors. Eventually the doctor diagnosed Alzheimer's." – 1.01
- "Once he took off. I didn't realise for several hours. I thought he was having a nap. I tried all the usual places but couldn't find him. We had to get the police out looking. They finally found him 8 km away. It was so scary; we had no idea if he was injured somewhere. He was scared too." – 1.16
- "It takes huge chunks out of my day. I've had to leave work early and try to make last minute arrangements." – 2.05



## Functional requirements

### *1.1 Locating person with dementia*

**Requirement:** Users shall be able to locate their person with dementia.

**Rationale:** This is the primary purpose of the system.

**Note:** NA.

### *1.2 Restricting locations for person with dementia*

**Requirement:** Users shall be able to specify locations that their person with dementia should not enter. [2.08]

**Rationale:** Users want to be aware of when their person with dementia enters locations that they should not be.

**Note:** Restricted locations could possibly be set to a schedule.

## Usability requirements

### *2.1 Efficiency*

**Requirement:** Tracking of the person with dementia should be instantaneous.

**Rationale:** This is the primary purpose of the system

**Note:** NA.

