

Homer, the Storytelling Companion

Background

According to a census in 2017, there are approximately 47 million senior citizens living in the United States. Out of the total population of the nation, there are 28% of people age 65 and over that live alone. Another 1.4 million live in are residents in retirement homes. Many are left by their families and/or have some type of Dementia.

Our Solution

Homer is a storytelling companion for the elderly. The elderly and their families can store memories into the bot, and it will be able to recite those same stories to them while displaying visual representations. Our product would be great for senior citizens that are lonely and want to reminisce on the past. Homer would be also beneficial for people with Alzheimer's Disease or other Dementia to help trigger memories.

Watson Features Used

- Natural Language Understanding
- Speech-to-Text
- Text-to-Speech

Future Plans

- More interaction with the user
- Allow application to detect when stories are ending and provide follow up questions when a pause is detected
- Make a social network for memories to be shared
- User will be able to upload their own pictures to customize their memories