

CSCE-636-Project-Part 1

Since we are required to implement a "smart home" for elderly people and patients, I think we'd better consider the negative exceptional actions and facial expressions that indicates that something bad happens, so that our system can react and solve the problems for the users.

Actions

Type	Description
Slipping	If we detect our user slip down, we can try to help him stand up.
Lying down	If we detect our user lying down, we can call his family to check whether he is OK or not.
Crawling	If we detect our user is crawling, we can call his family to check whether he is OK or not.
Sitting	If we detect our user sitting for a long while, maybe we should tell him to stand up and take a break. It's good for elder people and patients' health.
Walking Upstairs	If we detect our user is trying to walking upstairs for a long while, maybe we should help him to go upstairs.
Walking downstairs	If we detect our user is trying to walking downstairs for a long while, maybe we should help him to go downstairs.

Facial Expressions

Type	Description
Disgust	If we detect our user feels disgusted, we might call a doctor for him.
Fear	If we detect our user is scared, we should check whether there's something bad happened.
Sad	If we detect our user is sad for a couple of days, maybe we should check his mental health.
Angry	If we detect our user is angry for a couple of days, maybe we should check his mental health.