My Project Ideas- Nanda Kishore Bhat

Idea #1 : Real world entities - notification.

Number of studies show that older individuals trust automated decisions than younger individuals. This is also proved again by doing a study on the number of people following the Advanced Traveler Information System (ATIS) that presented warning messages to alert drivers of upcoming traffic events.

Proposal : To create an application which notifies them about most general events, that the older individuals need more often than not. These events includes
- Traffic Notification and alternate routes.
- Awareness of sketchy or dangerours places, and notifications to avoid these.
- Notification about the nearest Drug and Pharmacy stores with their contacts.
- Notification about places to "Hang-out" with similar demography.

Issues:
- Mostly deals with interacting with existing databases of all the entities.
- Creating cross-platform interface with similar applications and filtering out the entities in question.

Idea #2 : Web-Usage for the Elderly.

Current reports indicate that there is a definite need to 'bridge the gap' between elderly users and the Internet.The Internet provides an extraordinary opportunity for older adults who are sixty years or older to access online health information. It has become an important resource for those who suffer from chronic illness, are homebound, or live in rural or remote areas, because they may have difficulty accessing health information through traditional channels. It is also discovered that 80% of adult Web users have searched online for at least one major health topic.["A Study of Web Usability for Older Adults Seeking Online Health Resources".]

Proposal: To create an application that formats the web content related with health information into meaningful and clear divisions and subsections and present them in a structures and ordered manner. Such that there is minimal use of Input devices like the mouse activity and pull-

down menu, etc..This layout could be arranged in terms of symptoms, diagnosis, prescriptions, surgery or recovery and other
online contacts. The interface must follow the results from the study mentioned in "A Study of Web Usability for Older Adults Seeking Online Health Resources".

Idea #3 : game - handling utilities and personal finances.

It is noticed that an average individual has many online accounts, some of these that are very important are the utilities related accounts like electricity, water, heat, cable, phone, bank accounts etc.. An average older individual might have a hard keeping track of all these details let alone paying all the bills and maintaining personal finances and taxes.

Proposal: To build an application, that creates a "portal" to handle all the above situations. It can have easy links to complete all the tasks in one step. It should also have notification option, which acts as a reminder to complete these tasks to avoid due.
A simple algorithm that tells the user his current bank balance and how much he can spend on these utilities. This would give the user
on how to handle all the utility bills and taxes. It can also hold information about which of his contacts has already finished those tasks.

Issues: 1)The main issue here is the security, as the user has to store all the login information in the application to readily pay those bills.
2) Most major sites ask you to login every time even if we save the information. So this could mean that there would more than one step.
3) API to interact with sites could be cumbersome