Alfred

Description

ALFRED is a system that provides support for older people; a “Personal Interactive Assistant for Independent Living and Active Ageing”. One of the main system objectives is to support older people to actively participate in society and act independently. The system wants to solve a relevant current problem in our society, the isolation of older people. ALFRED is fully voice controlled and is using a non-technical environment to reach a high end user acceptance.

ALFRED is built on four pillars:

1. User-Driven Interaction Assistant; older people can ask questions to ALFRED to get help solving daily problems.
2. Personalized social inclusion; the system suggests social events to older people according to their interests.
3. Effective & Personalized care; medical experts can monitor the vital signs of the target user group by using sensors.
4. Physical & Cognitive impairments prevention; serious gaming is used to improve the physical and cognitive condition of the older people.

More information on: https://alfred.eu/

User Stories

001 As an OlderPerson, I want to know exactly what ALFRED does with my personal data, and share it only on my specific permission.
002 As an OlderPerson, I want to receive information from ALFRED by speech technology.
003 As an OlderPerson, I want to use only well-visible buttons.
004 As an OlderPerson, I want to use ALFRED as much as possible with speech interaction.
005 As an OlderPerson, I want to always keep control on the activities of ALFRED.
006 As an OlderPerson, I want to be able to manage my privacy and data settings.
007 As an OlderPerson, I want to have everything preinstalled, so that I do not have to set up ALFRED by myself.
008 As an OlderPerson, I want to have a small ALFRED device that is wearable and easy to carry with me.
009 As an OlderPerson, I want to have ALFRED on all my computers, tablets and phone.
010 As an OlderPerson, I want to have ALFRED on a bracelet or a necklace, so that I can always wear him with me.
011 As an OlderPerson, I want to have clear instructions and service after sales that guide me if I have trouble in using ALFRED.
012 As an OlderPerson, I want to have an ALFRED device that speaks very slowly and clearly.
013 As an OlderPerson, I want to have an ALFRED device that only reacts to me.
014 As an OlderPerson, I want to have an ALFRED device that only listens to me when I ask it to.
015 As an OlderPerson, I want to have an introduction conversation with ALFRED, so that I can learn everything about him and he about me.
016 As an OlderPerson, I want to buy ALFRED in a senior shop with special client support.
017 As an OlderPerson, I want to buy ALFRED for a low price.
018 As an OlderPerson, I want to receive visual support, especially when looking at a list, map or agenda.
019 As an OlderPerson, I want to use ALFRED to pay for small amounts.
020 As an OlderPerson, I want to have a very good battery for ALFRED so I can keep him on the whole day.
021 As an OlderPerson, I want to have an ALFRED device that informs me about a low battery when leaving the house.
022 As an OlderPerson, I want to have an ALFRED device that can be easily adapted for user that have visual or hearing troubles.
023 As an OlderPerson, I want to have an ALFRED device that can be easily adapted for user that have visual troubles.
024 As an OlderPerson, I want to have an ALFRED device that can be easily adapted for user that have hearing trouble.
025 As an OlderPerson, I want to have an ALFRED device that repeats the last phrase.
026 As an OlderPerson, I want to be able to zoom into visual content.
027 As an OlderPerson, I want to have an ALFRED device that responds to the changing demand of the users by offering new Apps in the ALFREDO platform.
028 As an OlderPerson, I want to have an ALFRED device that helps me to communicate with my friends and family.
029 As an OlderPerson, I want to have video conversation with others.
030 As a MedicalCaregiver, I want to have videophone.
031 As an OlderPerson, I want to have an AFLRED device that encourages its users for real interaction between humans and not only with ICT tools.
032 As an OlderPerson, I want to have an ALFRED device that provides me with information about existing apps that corresponds to my interests.
033 As an OlderPerson, I want to be able to customize my preferences in the different functionalities of the solution.

034 As a MedicalCaregiver, I want to have a simple ALFRED unit that is expandable in is functions.
035 As an OlderPerson, I want to have my data stored directly on the phone.
036 As an OlderPerson, I want to receive a wake up call from ALFRED in the morning checking on me if I am ok.
037 As an OlderPerson, I want to receive day and night rythm support with agenda reminders.
038 As an OlderPerson, I want to receive support to use the public transport.
039 As an OlderPerson, I want to use ALFRED for navigation.
040 As an OlderPerson, I want to use ALFRED for touristic walks and indications with explanations on historical and cultural sights.
041 As an OlderPerson, I want to receive support to have a taxi on time.
042 As an OlderPerson, I want to use ALFRED to see who is standing at my door and open the door.
043 As an OlderPerson, I want to use ALFRED to pick the phone sooner up when I am at home.
044 As an OlderPerson, I want to use ALFRED to turn on/off the lights.
045 As an OlderPerson, I want to use ALFRED to control the heating.
046 As an OlderPerson, I want to use ALFRED to control the TV and radio.
047 As an OlderPerson, I want to use ALFRED to watch movies.
048 As an OlderPerson, I want to use ALFRED to hear about the news.
049 As an OlderPerson, I want to use ALFRED to contact help in case of an emergency.
050 As a MedicalCaregiver, I want to use video calls in case of emergency.
051 As an OlderPerson, I want to have ALFRED contact the nearest caregiver when I ask ALFRED for urgent help.
052 As an OlderPerson, I want to receive a message when my home care nurse is on her way.
053 As an OlderPerson, I want to receive a medicine reminder from ALFRED.
054 As an OlderPerson, I want to be able to see whether I already have taken my pills, so that I can avoid an overdose.
055 As a MedicalCaregiver, I want to be able to see if the patient has taken her medicine.
056 As an OlderPerson, I want to use ALFRED to do my grocery shopping.
057 As an OlderPerson, I want to use ALFRED to send messages.
058 As an OlderPerson, I want to have ALFRED to detect falls and send an emergency to a specific contact.
059 As an OlderPerson, I want to have ALFRED to suggest healthy recipes.
060 As an OlderPerson, I want to have ALFRED ask spontaneous questions but it would be better to programme it during certain times of the day.
061 As an OlderPerson, I want to have ALFRED to initiate questions, but it should be in the domains of my interest such as cinema, exhibitions, cooking.
062 As an OlderPerson, I want to be able to call someone with ALFRED.
063 As an OlderPerson, I want to activate the vocal interaction mode of ALFRED by pushing a specific button.
064 As an OlderPerson, I want to use ALFRED to maintain my contact list in my phone.
065 As an OlderPerson, I want to use ALFRED to manage my agenda.
066 As an OlderPerson, I want to insert my meetings into ALFRED using speech.
067 As an OlderPerson, I want to receive reminders on my appointments.
068 As an OlderPerson, I want to receive a reminder from ALFRED on all the things I need to bring with me when I leave the house.
069 As a SocialCaregiver, I want ALFRED to remind me of the things I need to bring to the person I care for.
070 As an OlderPerson, I want to use ALFRED to set up social groups of people with similar diseases.
071 As an OlderPerson, I want to use ALFRED to contact people from my own circle.
072 As an OlderPerson, I want to use ALFRED to learn about art expositions or a museum.
073 As an OlderPerson, I want to use ALFRED to learn about all the social activities that are organized in my neighborhood.

074 As an OlderPerson, I want to use ALFRED to get a personalized invitation to a social event, so that it motivates more to go.
075 As an OlderPerson, I want to use ALFRED to navigate to an event or concert and help me when I am lost.
076 As an OlderPerson, I want to use ALFRED to help me navigate despite my mild cognitive impairments.
077 As an OlderPerson, I want to be able to pay for small amounts.
078 As an OlderPerson, I want to use ALFRED to organize a meeting with a group of friends at a certain place.
079 As an OlderPerson, I want to play online games together with other users.
080 As an OlderPerson, I want to get suggestions for sports classes in my neighbourhood.
081 As an OlderPerson, I want to have ALFRED to enable me to have face to face contacts as well, so that I do not just have virtual contacts over ALFRED.
082 As an OlderPerson, I want to help me to control my body weight.
083 As an OlderPerson, I want to just press one button to call my caregiver.
084 As an OlderPerson, I want to decide who has access to my vital data.
085 As a MedicalCaregiver, I want to be sure that the user can decide who has access to her data.
086 As an OlderPerson, I want to have the wearables with integrated sensors to look good and not to be stigmatizing.
087 As an OlderPerson, I want to see my vital parameters myself on the phone.
088 As an OlderPerson, I want to have the ALFRED shirt to look good.
089 As an OlderPerson, I want to have the ALFRED shirt has to be non stigmatizing.
090 As a MedicalCaregiver, I want to have ALFRED to be able to determine the user's blood pressure.
091 As a MedicalCaregiver, I want to have ALFRED to be able to determine the user's body temperature.
092 As a MedicalCaregiver, I want to have ALFRED to be able to determine the user's heart rate.
093 As a MedicalCaregiver, I want to have ALFRED to be able to determine the user's breathing frequency.
094 As a MedicalCaregiver, I want to have feedback on the activity level of the user.
095 As a MedicalCaregiver, I want to locate the ALFRED user.
096 As a SocialCaregiver, I want to have ALFRED to be able to recognize pain and or stress by using skin conduction sensors.
097 As a SocialCaregiver, I want to have a step counter included into ALFRED.
098 As an OlderPerson, I want to have ALFRED to give me goals and missions that encourage me to do new activities and exercises and to go out.
099 As an OlderPerson, I want to have ALFRED to set limits in the games duration as I get bored easily.
100 As an OlderPerson, I want to play games where I can use my Imagination.
101 As an OlderPerson, I want to do guided exercises with ALFRED and ALFRED should also use sensors to capture health data while I am doing exercises.
102 As an OlderPerson, I want to have games that include my favourite sports.
103 As an OlderPerson, I want to receive suggestions about local sport Classes.
104 As an OlderPerson, I want to have ALFRED to remind me to keep a good body posture.
105 As a MedicalCaregiver, I want to have ALFRED to remind people to exercise regularly.
106 As an OlderPerson, I want to receive specific tips how to reduce my health impairments without medication.
107 As an OlderPerson, I want to have some games that show me how good my memory and physical health is.
108 As an OlderPerson, I want to have training for specific muscle Groups.
109 As a MedicalCaregiver, I want to have ALFRED to offer training for specific muscle groups.
110 As an OlderPerson, I want to be able to see my training Performance.

111 As an OlderPerson, I want to have ALFRED to help to motivate me during the week to do exercise that should change daily, as the constant change motivates me.
112 As a MedicalCaregiver, I want to have ALFRED to propose me games that require the combination of mental and physical exercise, such as opposing motion exercises of the arms and legs.
113 As an OlderPerson, I want to games that require the combination of mental and physical exercise, such as opposing motion exercises of the arms and legs.
114 As a MedicalCaregiver, I want to control if the user does the exercise correct.
115 As a MedicalCaregiver, I want to have a regular summary on how much exercise is performed by the user.
116 As an InformalCaregiver, I want to have a game that the carer could play together with the user, so that it would enable to monitor the users' state of health but also have some fun time.
117 As a MedicalCaregiver, I want to have ALFRED to propose training that promotes complex thinking.
118 As a MedicalCaregiver, I want to give corrective feedback if exercises are performed wrong, too much or in any other way harmful to the user.
119 As a developer, I want to present my app to as many people as Possible.
120 As a developer, I want to have the accounting to be as simple and clear as Possible.
121 As a developer, I want to easily create and to maintain my apps within the market place.
122 As a developer, I want to enable customers to provide feedback about my App and need an easy way to watch this feedback.
123 As a developer, I want to have an easy way to manage the pricing modality of my Apps.
124 As a developer, I want to have the API to be well defined and well documented.
125 As a developer, I want to obtain Apps development support.
126 As a developer, I want to know the fees the provider of the market place charges for using the platform.
127 As a developer, I want to be notified as soon as possible when the state of any of my Apps changes.
128 As a developer, I want to have detailed information of what happened when my App crashes on the user's device.
129 As a developer, I want to present my App in several ways.
130 As a developer, I want to be able to design my App on my own - though there will be a few rules I have to stand to.
131 As a developer, I want to have an easy way to define questions the user can ask and perform.
132 As a developer, I want to have my App to be granted access to several operating system features.
133 As a developer, I want to have the API components to be on a high level so that I don't have to deal with their details.
134 As a developer, I want to have an easy way to read data from health sensors the user is wearing.
135 As a serious games developer, I want to be able to take control over some functions to provide the desired user experience.
136 As a developer, I want to provide an easy way to manage the user Settings.
137 As a developer, I want to have the ALFRED API to reduce the work to achieve my goals.
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