

Snow White

Use-Case Specification:

Authenticate User by Voice

Version 1.0

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Revision History

Date	Version	Description	Author
01.11.16	1.0	First version of this document	Dominik Jülg



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Authenticate User by Voice

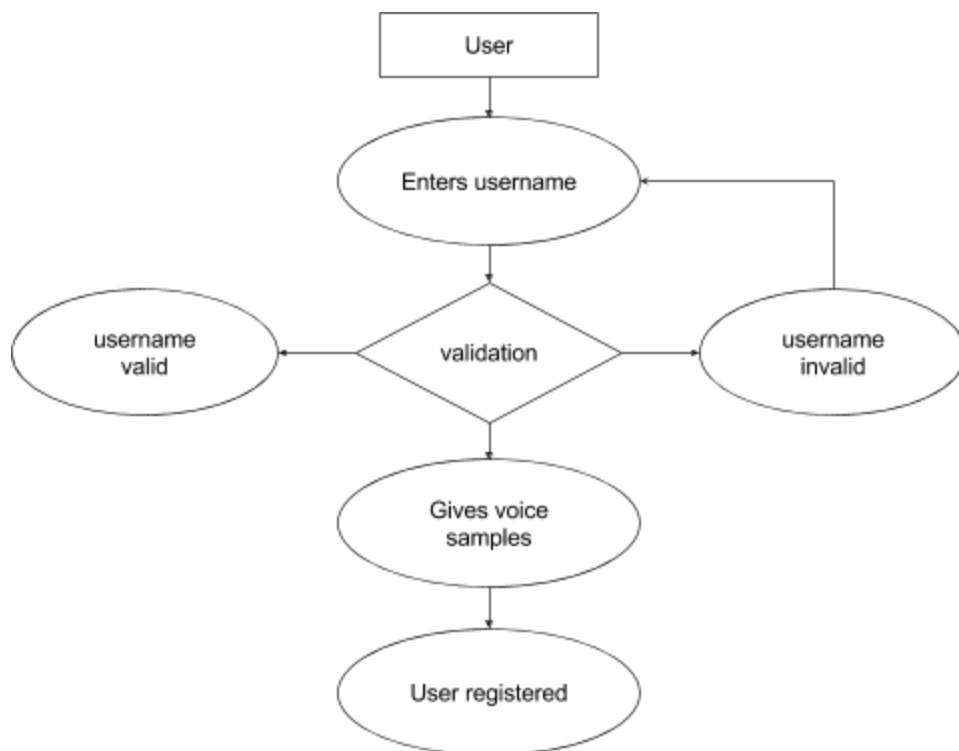
Brief Description

This use case affects only new users on their way to create an user on their magical smart SnowWhite mirror. The user has to register by name and record voice samples by the smart mirrors microphone. This text will be sent to the Microsoft Speech Recognition API to create an entry for the new user and get an id of the analyzed voice. Also the user will get information about how to use the configuration page and gets some tips and tricks.

Flow of Events

Basic Flow

A person connects to the webserver of the smart mirror and creates a new account. This person has to enter his name and give some voice samples on the smart mirrors microphone.



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Alternative Flow

No alternative flows.

Special Requirements

A special requirement is typically a nonfunctional requirement that is specific to a use case, but is not easily or naturally specified in the text of the use case's event flow. Examples of special requirements include legal and regulatory requirements, application standards, and quality attributes of the system to be built including usability, reliability, performance or supportability requirements. Additionally, other requirements such as operating systems and environments, compatibility requirements, and design constraints should be captured in this section.

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3.1 Functionality

3.2 Usability

3.3 Reliability

3.4 Performance

3.5 Supportability

3.6 Design constraints

3.7 On-line User Documentation and Help System Requirements

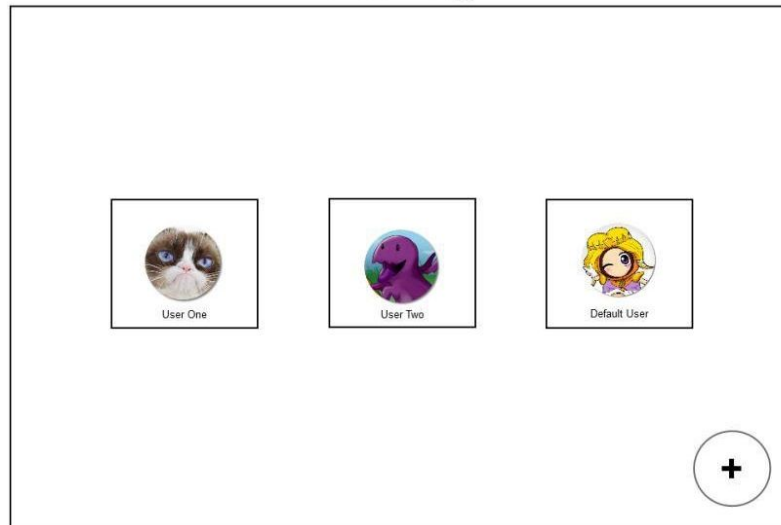
3.8 Purchased Components

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3.9 Interfaces

Main Page



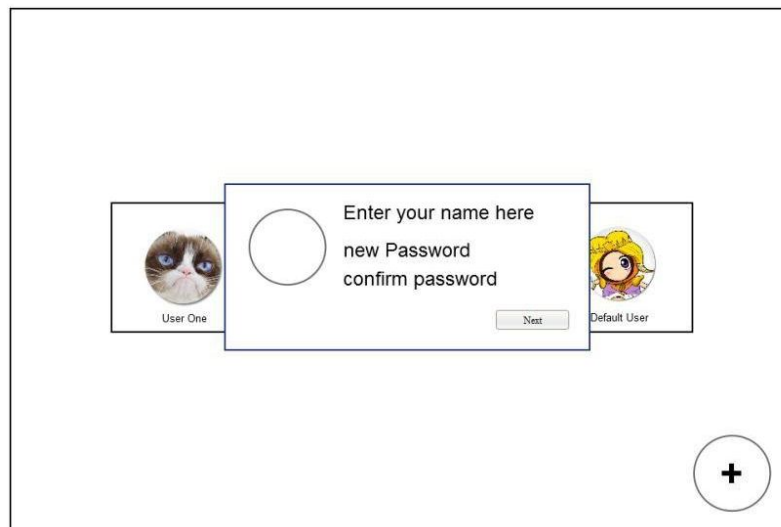
User Selector

Select your user

FAB Button

Allows ypu to add a new user

Create a new User



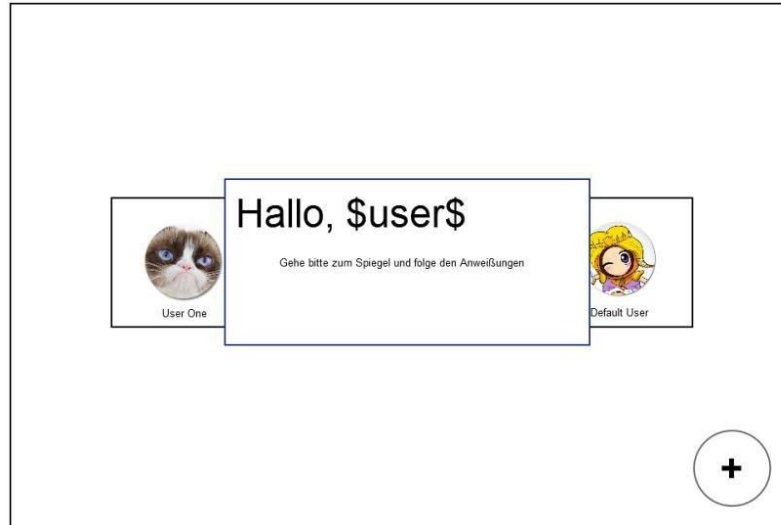
Basic Information

Each user needs a username and a password

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Information Dialog 1



Information

Now the user needs to add his voice.
For that he needs to go to the mirror

Add your voice

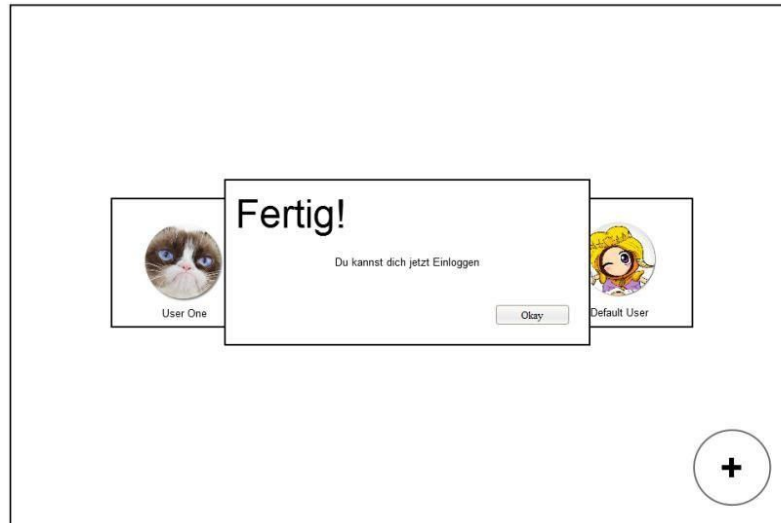


Add your voice

Records the voice of the user. This has to be done 3 times



Information Dialog 2



Information

Everything is done. A new user has been created



3.10 Licensing Requirements

3.11 Legal, Copyright, and Other Notices

3.12 Applicable Standards

Preconditions

A precondition of a use case is the state of the system that must be present prior to a use case being performed.

No selected user

No user has been selected on the configuration Page

Postconditions

A postcondition of a use case is a list of possible states the system can be in immediately after a use case has finished.

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New user has been created

A new user has been introduced to the system

No change

Due to some reason no user has been created

Extension Points