Snow White

Use-Case Specification:

Authenticate User by Voice

Version 1.1

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Revision History

Date	Version	Description	Author
01.11.16	1.0	First version of this document	Dominik Jülg
03.11.16	1.1	Changes UC Diagram	Cem Philipp Freimoser

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Authenticate User by Voice

Brief Description

This use case is for a already registered user. The user has to say a specific text. This text will be sent to the Microsoft Speech Recognition API multiple times. It will be tested against every registered user. If the API sends a positive response to one of the Users this user is authenticated and can be logged in.

Flow of Events

Basic Flow

A person has to say a specific text. His voice can be accepted or not. If the user doesn't get accepted he gets a visual response on the screen. If he gets accepted the personalized data can show up.

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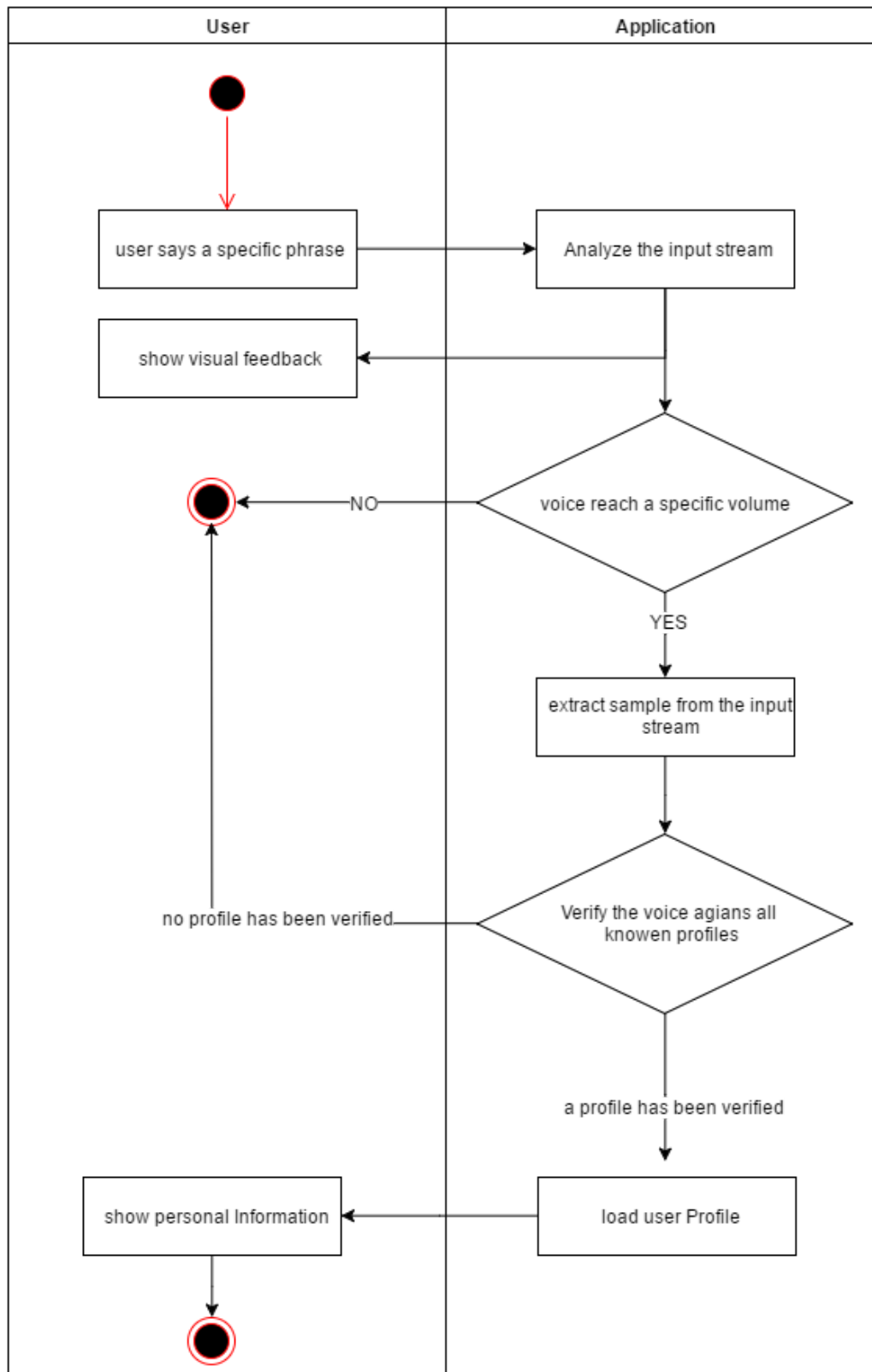
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Alternative Flow

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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3.9 Interfaces

Default User
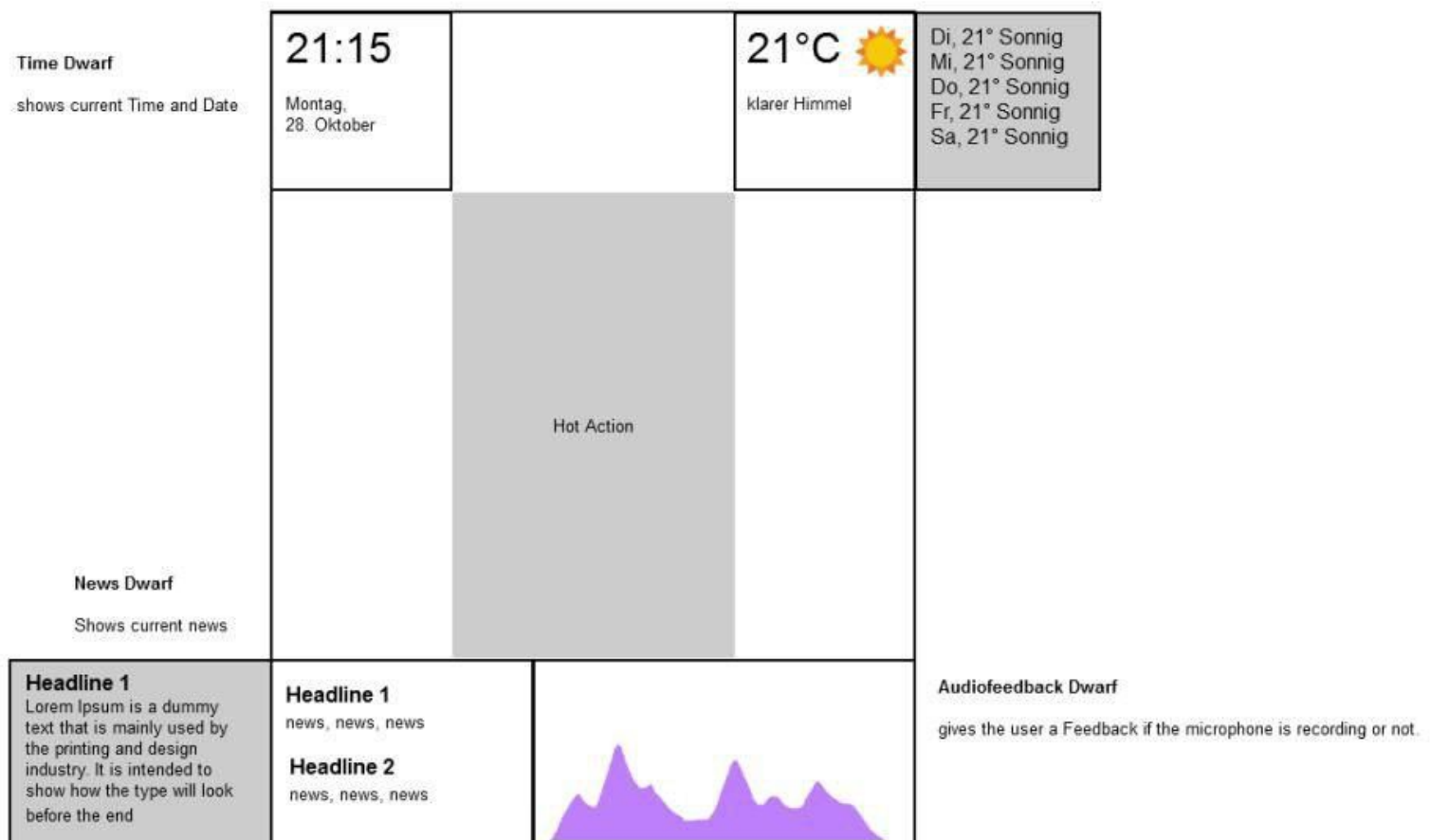
Time Dwarf

shows current Time and Date

21:15

Montag,
28. Oktober

Weather Dwarf

shows current weather, and a forecast for the next 5 days

21°C ☀

klarer Himmel

Di, 21° Sonnig
Mi, 21° Sonnig
Do, 21° Sonnig
Fr, 21° Sonnig
Sa, 21° Sonnig

Hot Action

News Dwarf

Shows current news

Headline 1
Lorem Ipsum is a dummy text that is mainly used by the printing and design industry. It is intended to show how the type will look before the end

Headline 1
news, news, news

Headline 2
news, news, news

Audiofeedback Dwarf

gives the user a Feedback if the microphone is recording or not.

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Preconditions

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

Default user is active

The login of a user is only possible, when the default user is currently active. If any other user is logged in no further login is possible.

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.

Another user is active

One possible output of this usecase is that a user was authenticated and the mirror will display his information.

Default user is active

Nothing has changed, because no user has been authenticated by the system.

Extension Points

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