

Fulda University of Applied Sciences
Fachbereiche Angewandte Informatik

Task Models
Of
Smart Mirror Application

Group Hamburg

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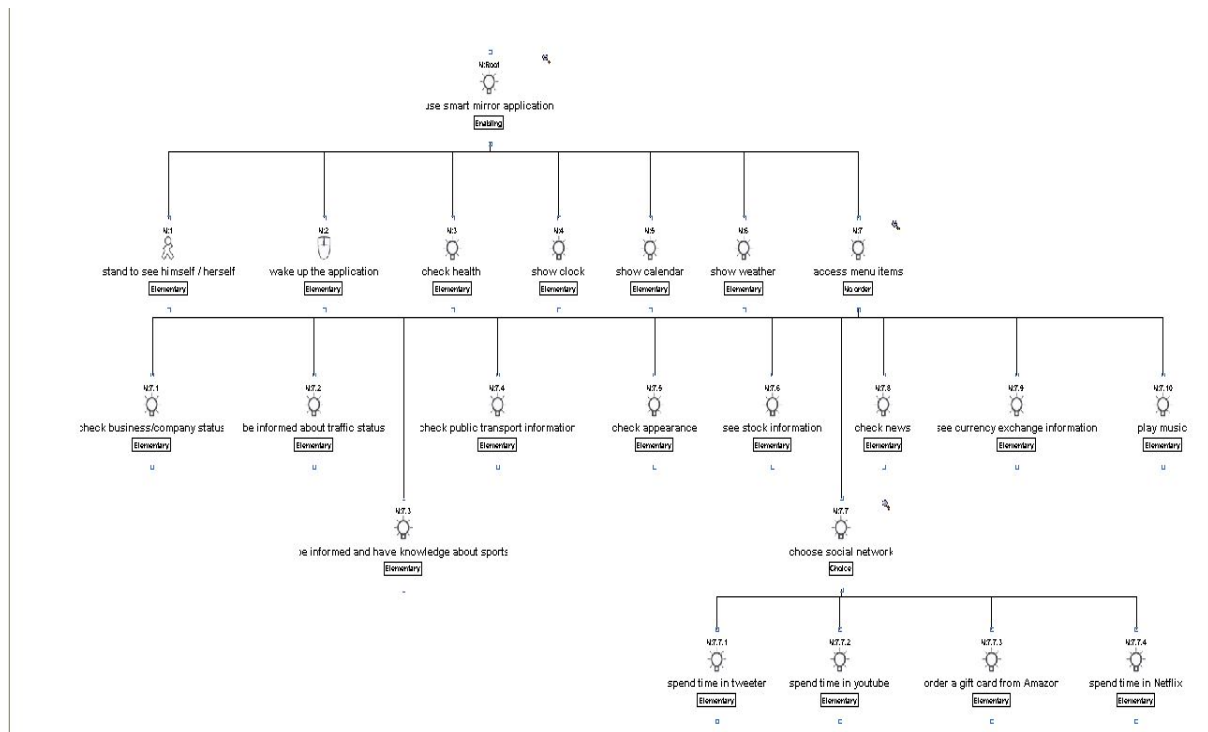
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<u>Names</u>	<u>User Tasks</u>
Mahbubur Rahman	Appearance Suggestions (Hair, Face, and Dress),_Stock Market Information, Currency Exchange Information, Company or Business Dashboard.
Malik Farhan Zeb	Health, Clock, Weather, Calendar.
Elnaz Mazaheri	Public-Transport Information; Tweeter, Netflix, and YouTube, Amazon; News; Music.
Ihsan Katmer	Road Traffic Information, Sports Information.

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The top-level task model of smart mirror application is given below:



The file path of the above diagram is:

“de.hs-fulda.informatik.ucd/use_smart_mirror_application.kxml”

In this diagram, the root task is to use the smart mirror application which is an abstract task that contains user task, interactive task, and some abstract tasks. From the diagram, we can see that 1st task is a user task then 2nd one is an interactive task and rest of tasks are abstract tasks because each task has subtasks that are described in separate kxml files.

In addition, the abstract task “access menu items” has subtasks and this task has the following characteristics:

- **No Order:**
Because a user can access menu items in any order (from left to right or vice versa).
- **Iterator:**
Because a user can access menu items for more than one times. For example, the user checks his company dashboard, then checks the stock market information, after that sees today's news. Later the user again checks the stock market information and so on.

Here for the case of simplicity, the number of iteration is set to 3.

Moreover, the list of files with paths that contain details of elementary abstract tasks in the above diagram are given below:

Task Name	File Name	Path
check health	health.kxml	de.hs-fulda.informatik.ucd/farhan/task_3-2
show clock	clock.kxml	de.hs-fulda.informatik.ucd/farhan/task_3-2
show calendar	calendar.kxml	de.hs-fulda.informatik.ucd/farhan/task_3-2
show weather	weather.kxml	de.hs-fulda.informatik.ucd/farhan/task_3-2
check business/company status	check_business_or_company_status.kxml	de.hs-fulda.informatik.ucd/mahbub/task_3-2
be informed about traffic status	traffic-latest.kxml	de.hs-fulda.informatik.ucd/ihsan/task_3-2
check public transport information	public_transport.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
check appearance	check_appearance.kxml	de.hs-fulda.informatik.ucd/mahbub/task_3-2
see stock information	see_stock_information.kxml	de.hs-fulda.informatik.ucd/mahbub/task_3-2
check news	news.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
see currency exchange information	see_currency_exchange_information.kxml	de.hs-fulda.informatik.ucd/mahbub/task_3-2
play music	music.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
be informed and have knowledge about sports	sports-latest.kxml	de.hs-fulda.informatik.ucd/ihsan/task_3-2
spend time in tweeter	tweeter.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
spend time in youtube	youtube.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
order a gift card from Amazon	amazon.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2
spend time in Netflix	netflix.kxml	de.hs-fulda.informatik.ucd/elnaz/task_3_2