Context-awareness Feature in Octotask Task Manager

Denis Laure

Yaroslavl State University
How GTD Method Works

1. Collect everything
2. Unnecessary thing
3. Task storage
4. Task requires less than 2 minutes
5. Choose the task using four-criteria model
6. Do the Task!
Octotask Domain Model

Task

relates to
gets done in

Project

has a default

Context

Denis Laure
Yaroslavl State University
Context in GTD

Context - place or some special conditions, required to get the task done.
Context-awareness Concept

Home -> context switches automatically -> Office

Denis Laure
Yaroslavl State University
Active Context

Home – active  
*Office – inactive*

Office – active  
*Home – inactive*
Geoposition-based Activators

device enters location

context activates

device leaves location

context deactivates

Denis Laure

Yaroslavl State University
Wireless-network-based Activators

- WiFi detects or connects to
- context activates

- loses or disconnects
- context deactivates
Message Activators

incoming SMS

context activates

User’s decision

context deactivates
Context Overlapping Problem

Home

Call the parents for dinner
Due in 3 hours

Wash floors
Due in 1 day

Denis Laure
Yaroslavl State University
Context Overlapping Problem

Home + Office
Make a list of vacancies
Due in 1 day

Call manager
Due in 3 days

Make development plan
Due in 8 days

incoming SMS

one more context is activated
Active Context Sorting

Home

Office

Studies

Denis Laure

Yaroslavl State University
Active Context Sorting

“Office” context activated

Denis Laure

Yaroslavl State University
Active Context Sorting

"Office" context activated

"Office" context deactivated
Active Context Sorting Example

Student enters university

Denis Laure
Yaroslavl State University
Active Context Sorting Example

Device connects to hotspot

Denis Laure

Yaroslavl State University
Active Context Sorting Example

Device disconnects from hotspot

Denis Laure

Yaroslavl State University
Active Context Sorting Example

Denis Laure

Yaroslavl State University
Octotask is available at Nokia Store: http://store.ovi.com/content/174885

Octotask source codes: https://yar.fruct.org/projects/octotask
Octotask is available at Nokia Store: 
http://store.ovi.com/content/174885

Octotask source codes: 
https://yar.fruct.org/projects/octotask

Thank You!

Denis Laure
Yaroslavl State University