Context Aware Systems

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GIS Component

Load data from Postgre SQL

Move the map

Provide information depending on the Context Situation

POI Component

Enable Points of Interests

Police stations

Gas stations

GPS Component

Loads information from the log file

Updates the Context Situation

Visualizes the positions of the satellites

Displays information of the log file

AAL Component

Choose different Context
Elements

Parses the XML

DOM

Stream

CM Component

Manipulate Context Situation

Toggle broadcast

Record simulation

Play simulation

Rule System

Compiler with TreeNode

EQUALS, GREATER, LESS, AND, OR

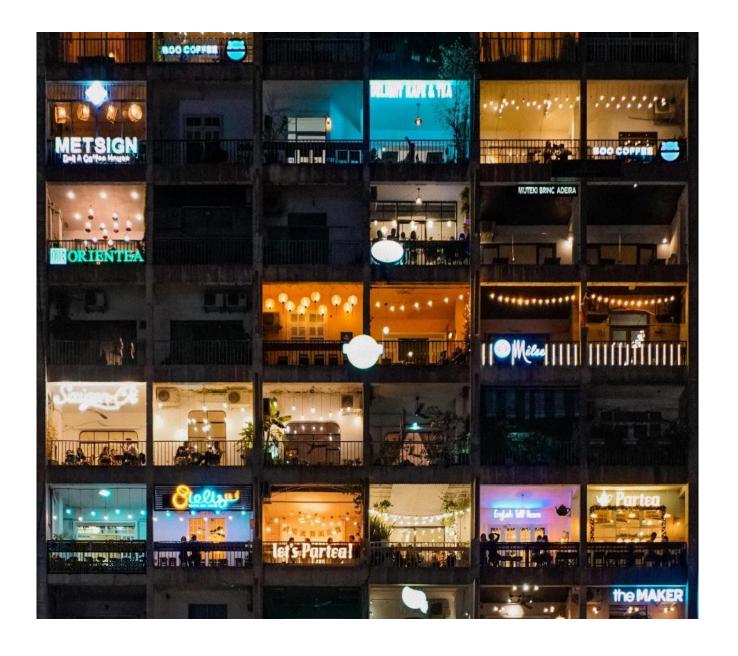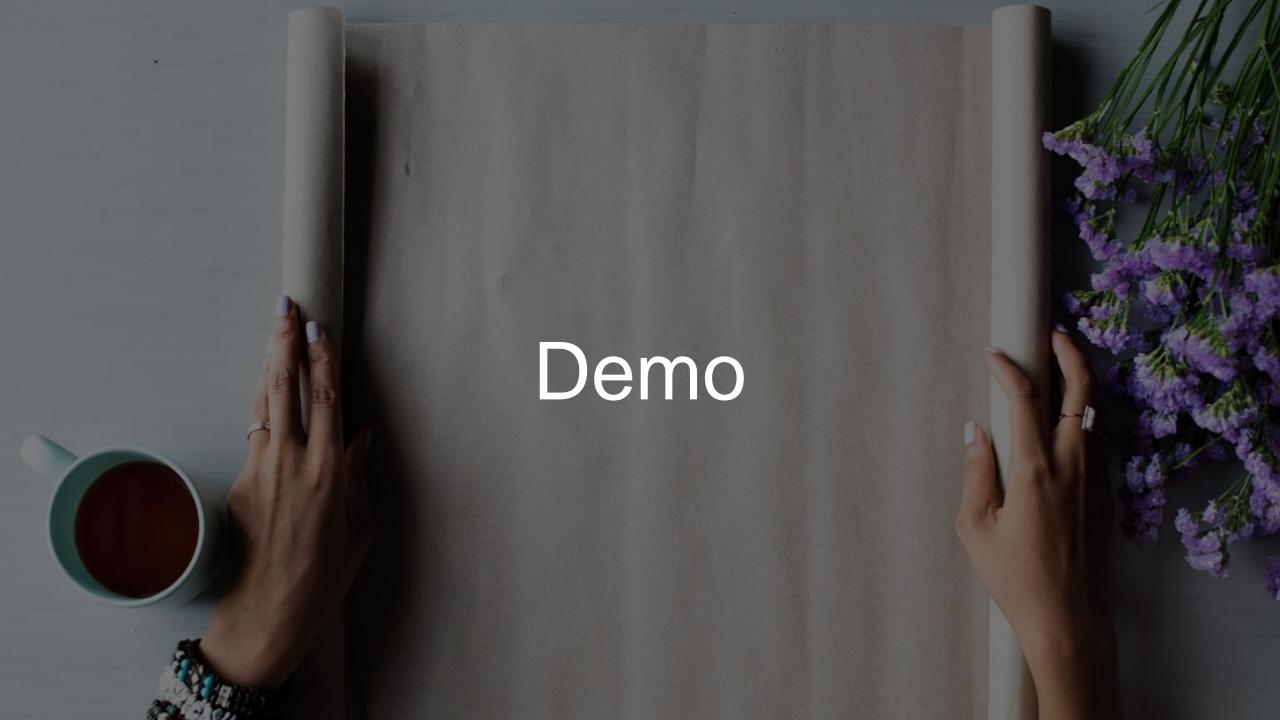XML representation of rules

Reflection API

Context-Aware

Time

Warnings

Fuel

Demo

Lessons Learned

Mediator Pattern

Rule System

Compiler (javacc, lexer)

Problems

Complexity

Observer concept

Thank you!