

Silverspoon Visualizer

PB138 Course Project

⁺Team

- Juraj Pančík
 - Team Leader & Graphical User Interface
- Martin Žilák
 - SVG generation from parsed XML
- Norbert Slivka
 - Parser of input XML data
- Jan Hlava

+ Silverspoon Visualizer

Project Description

- Visualize Camel route configuration
- Boards: BeagleBoneBlack, Raspberry PI B+, CubieBoard 2
 - Each of them has different layout
- Input in form of XML
- Output is an SVG file
- Graphical user interface

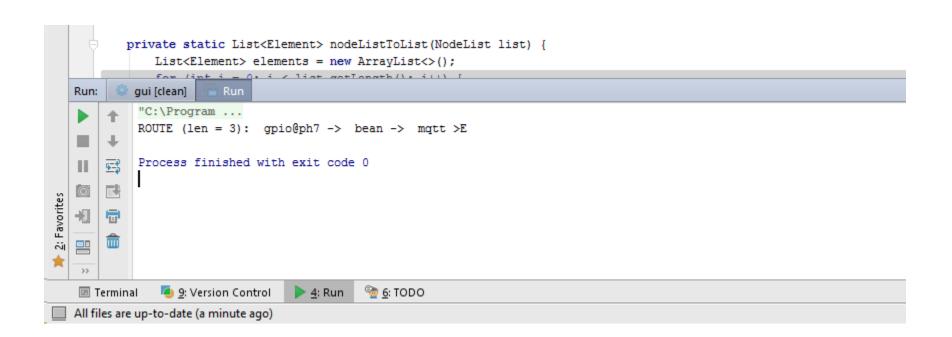


XML Parser

Norbert Slivka

*XML Parser

- JavaX parser
- Scalability
- Forest-like structure
- API
- Text Output



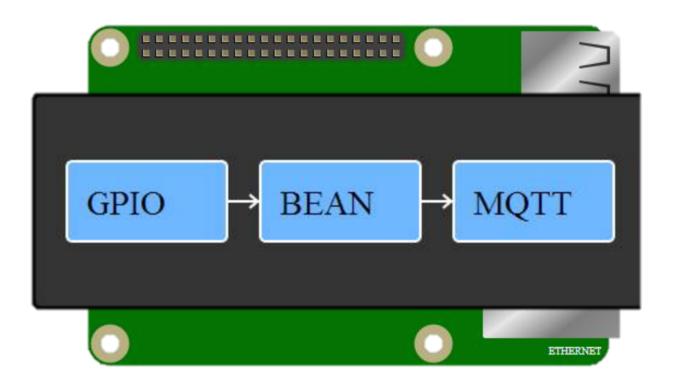


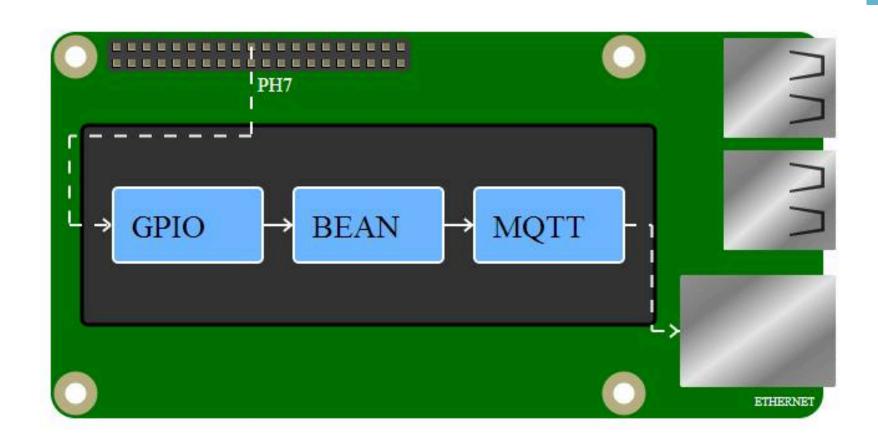
SVG generator

Martin Žilák

*SVG Generator

- What is SVG?
- Board layout
- Drawing route
- Adding route to board
- I/O connections & board modifications





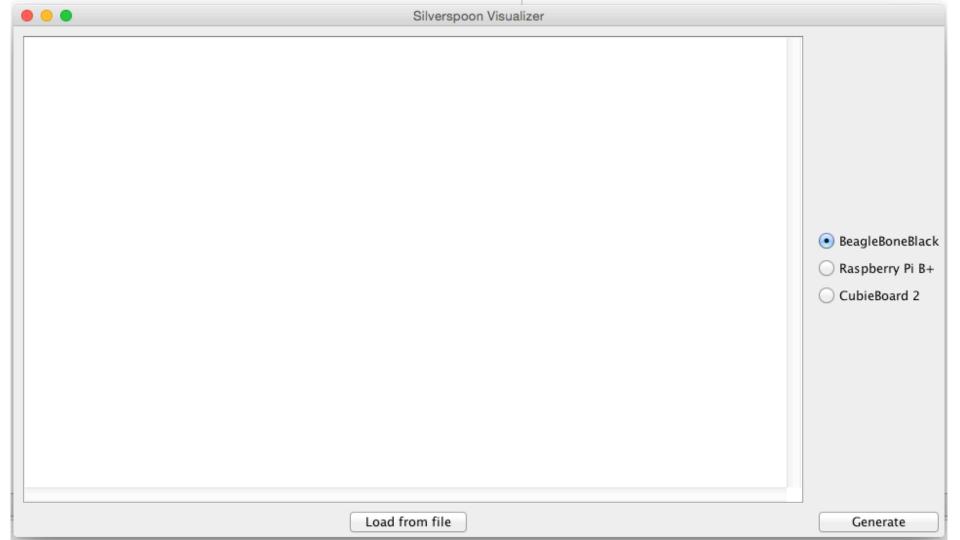


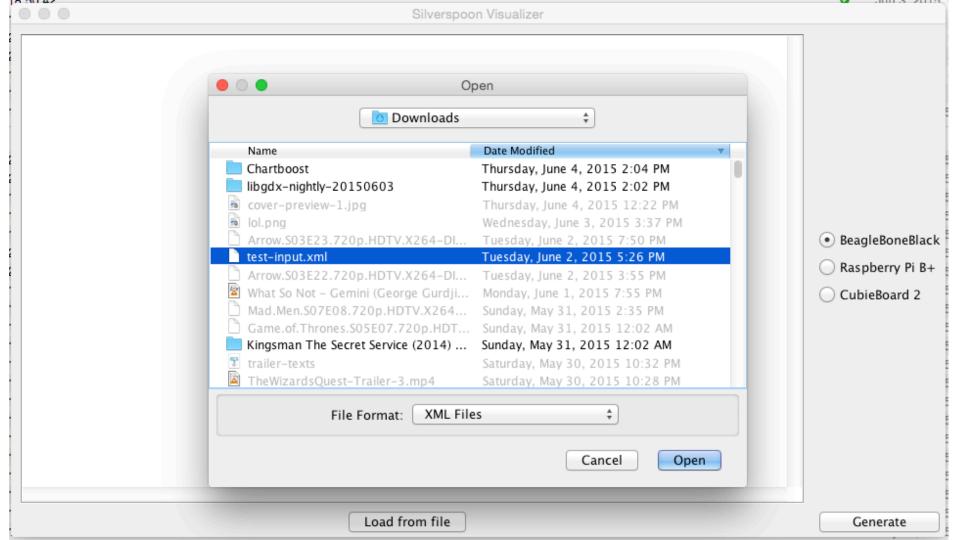
Graphical User Interface

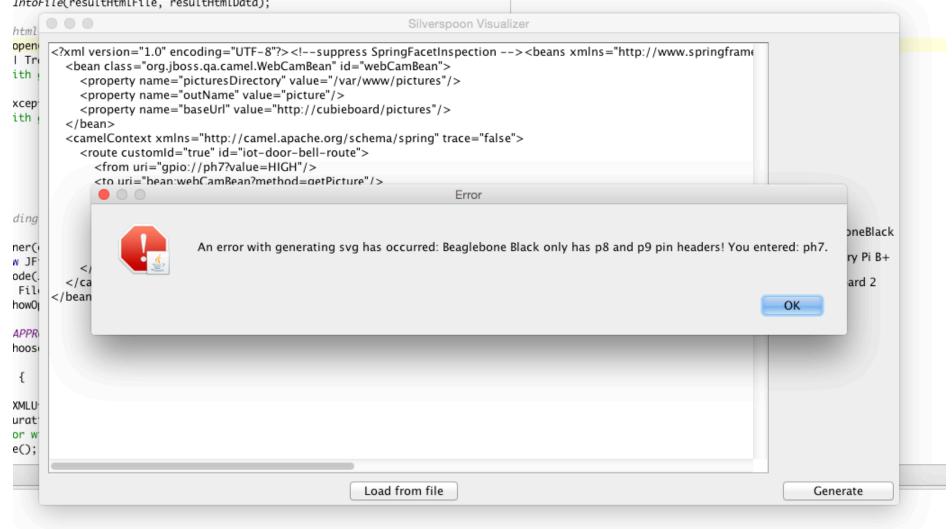
Juraj Pančík

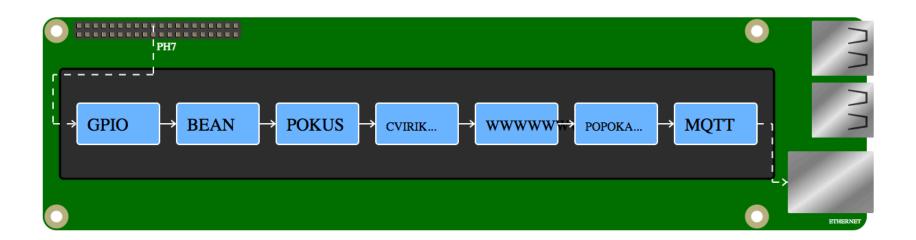
*Graphical User Interface

- KISS
- Java Swing
- Load input
- Generate SVG
- HTML output



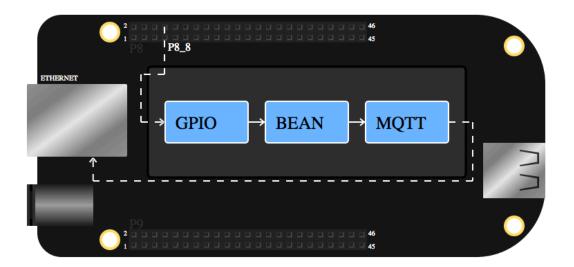






Here's your generated SVG file from the XML input. To download it, press right click on this link and select Save as. Alternative navigate to the root of the Silverspoon Visualizer and copy output.xml.





Here's your generated SVG file from the XML input. To download it, press right click on this link and select Save as. Alternative navigate to the root of the Silverspoon Visualizer and copy output.xml.

Thank you for your attention