





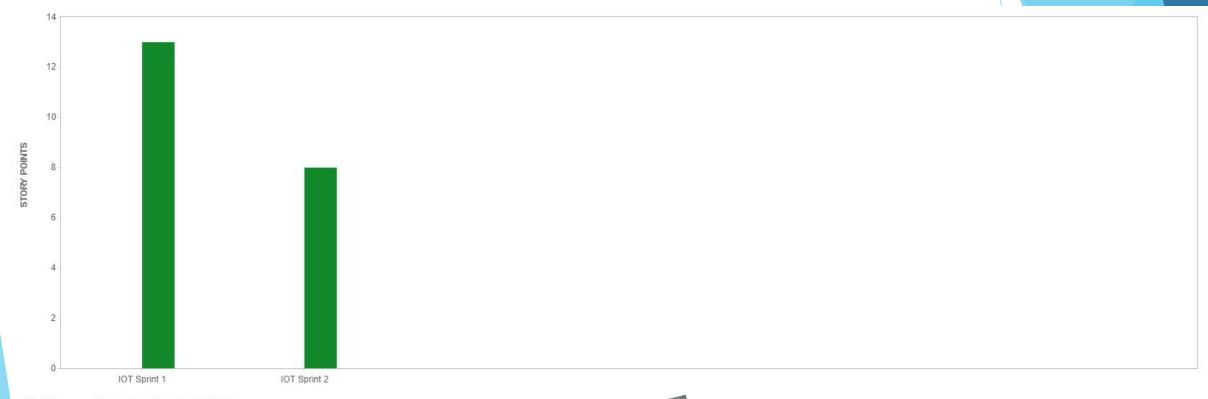
Sprint 3 - Epics and Stories

- Stories for Epic ComoNeo Digital Inputs
 - ► Load RTUexe (Story Points 13, Story Owner Igor Labát)
 - RTU and CPU Communication (Sory Points 5, Story Owner Filip Starý)
 - Create a Test (Story Points 13, Story Owner Marián Ján Franko)
 - REST API Prototype (Story Points 3, Story Owner Tomáš Bujna)
 - Robot Framework Lib (Story Points 5, Story Owner Marián Ján Franko)

Sprint 3 - Epics and Stories

- Stories for Epic IoTester Refactoring
 - Prepare Document for Board Design (Story Points 8, Story Owner - Miroslav Sabo)
- Stories without Epic
 - Methodics (Story Points 3, Story Owner Stanislav Širka)

Team Velocity



Sprint	Commitment	Completed
IOT Sprint 1	0	13
IOT Sprint 2	0	8

This sprint 50 story points?

Story - Load RTUexe

- Epic ComoNeo Digital Inputs
- Story points 13
- Story Owner Igor Labát
- Previous sprints Sprint 1, Sprint 2
- Description
 - As a user
 - I need to do a real time simulation
 - ► To be able to simulate sensor measurements
- Product owner acceptance criteria
 - Loading of the program to the real time unit will be shown on Linux console

Story - Load RTUexe

- Tasks Backlog
 - Load test program into PRU on BBB
- Tasks In Progress
 - ...
- Done Tasks
 - Load test program into PRU on BBB

Demo - Load RTUexe

```
am335x-evm login: root
root@am335x-evm:~# ls
root@am335x-evm:~# echo 'am335x-pru0-fw' > /sys/class/remoteproc/remoteproc1/fir
mware
root@am335x-evm:~# echo 'start' > /sys/class/remoteproc/remoteproc1/state
root@am335x-evm:~# ls /dev/ | grep pru
rpmsg pru30
root@am335x-evm:-# echo "testiot" > /dev/rpmsg pru30
root@am335x-evm:-# cat /dev/rpmsg pru30
testiot
root@am335x-evm:~# echo 'stop' > /sys/class/remoteproc/remoteproc1/state
root@am335x-evm:~#
```

Story - RTU and CPU Communication

- Epic ComoNeo Digital Inputs
- Story points 5
- Story Owner Filip Starý
- Previous sprints Sprint 1, Sprint 2
- Description
 - As a user
 - I need to configure real time simulation
 - To run various simulations
- Product owner acceptance criteria
 - RTU and CPU prototype is running on Beaglebone Linux console

Story - RTU and CPU Communication

- Tasks Backlog
 - Analyze PRU communication on BBB
 - Install Composer Studio
 - Link PRU program on BBB
- Tasks In Progress
 - Link PRU program on BBB
- Done Tasks
 - Analyze PRU communication on BBB
 - Install Composer Studio

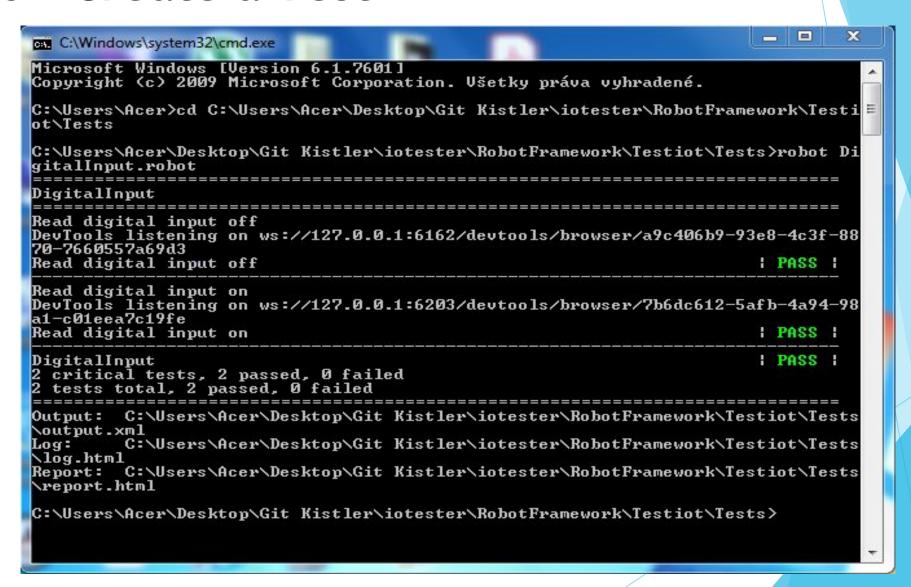
Story - Create a Test

- Epic ComoNeo Digital Inputs
- Story points 13
- Story Owner Marián Ján Franko
- Previous sprints Sprint 1, Sprint 2
- Description
 - As a user
 - I want to test the ComoNeo digital input
- Product owner acceptance criteria
 - Test configures IoTester (library for IoTester configuration will be implemented in different user story)
 - Test checks the ComoNeo web application if the digital input was set

Story - Create a Test

- Tasks Backlog
 - **...**
- Tasks In Progress
 - **...**
- Done Tasks
 - Create a Test

Demo - Create a Test



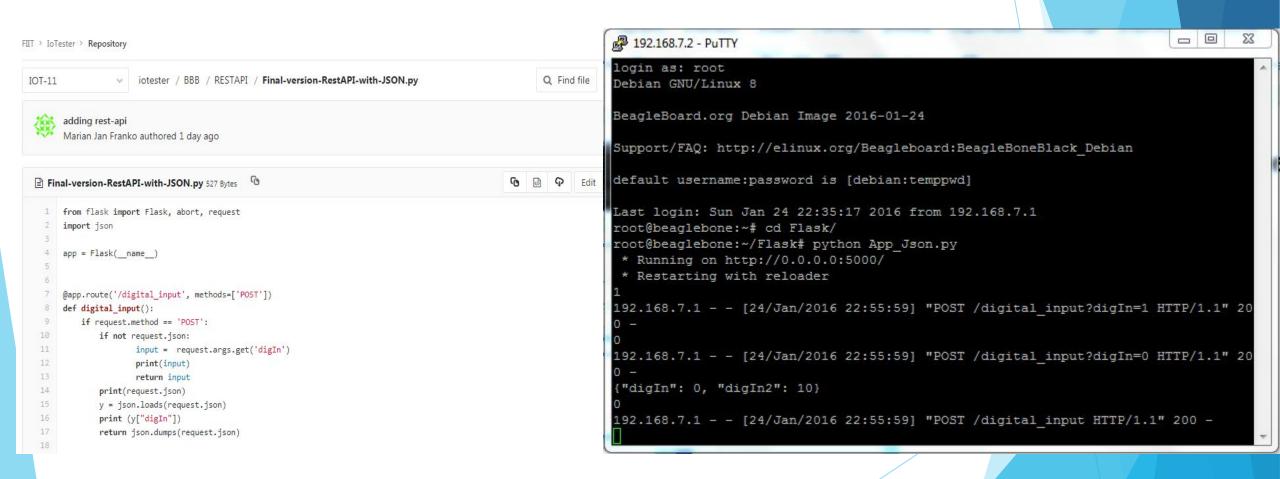
Story - REST API Prototype

- Epic ComoNeo Digital Inputs
- Story points 3
- Story Owner Tomáš Bujna
- Description
 - As a user of IOTester
 - I want to have interface to set the Como digital input
 - ► To be able to configure IOTester
- Product owner acceptance criteria
 - Working webserver on beagleboard
 - Implemented simple post request with value of digital input (0 or 1)
 - Post request execution is logged to the console

Story - REST API Prototype

- Tasks Backlog
 - ...
- Tasks In Progress
 - • •
- Done Tasks
 - REST API Prototype
 - REST API WITH JSON

Demo - REST API Prototype



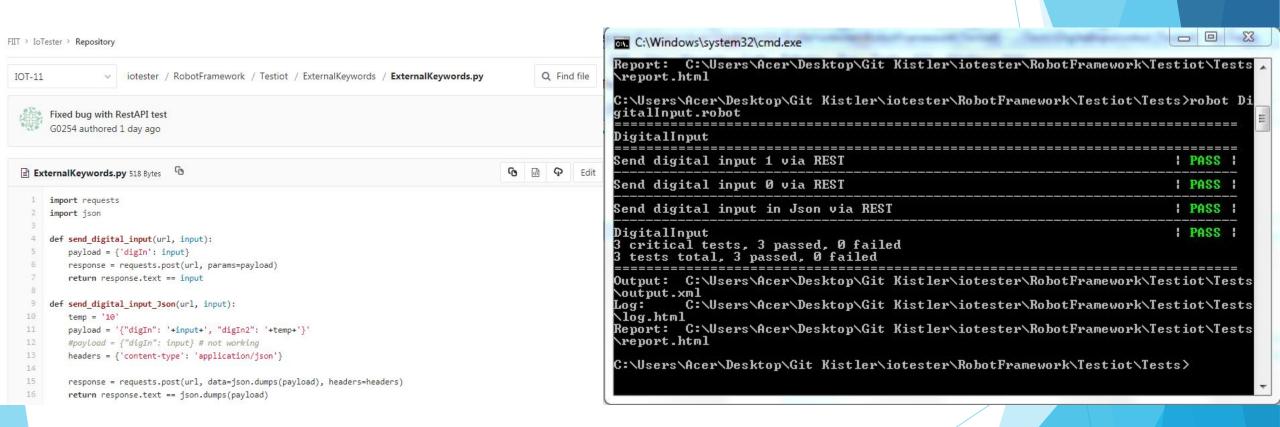
Story - Robot Framework LIB

- Epic ComoNeo Digital Inputs
- Story points 5
- Story Owner Tomáš Bujna
- Description
 - As test developer
 - I want to have a library
 - To use IOTester
- Product owner acceptance criteria
 - Python module
 - Keywords to set Como digital inputs are implemented

Story - Robot Framework LIB

- Tasks Backlog
 - • •
- Tasks In Progress
 - ...
- Done Tasks
 - Robot Framework LIB

Demo - Robot Framework LIB



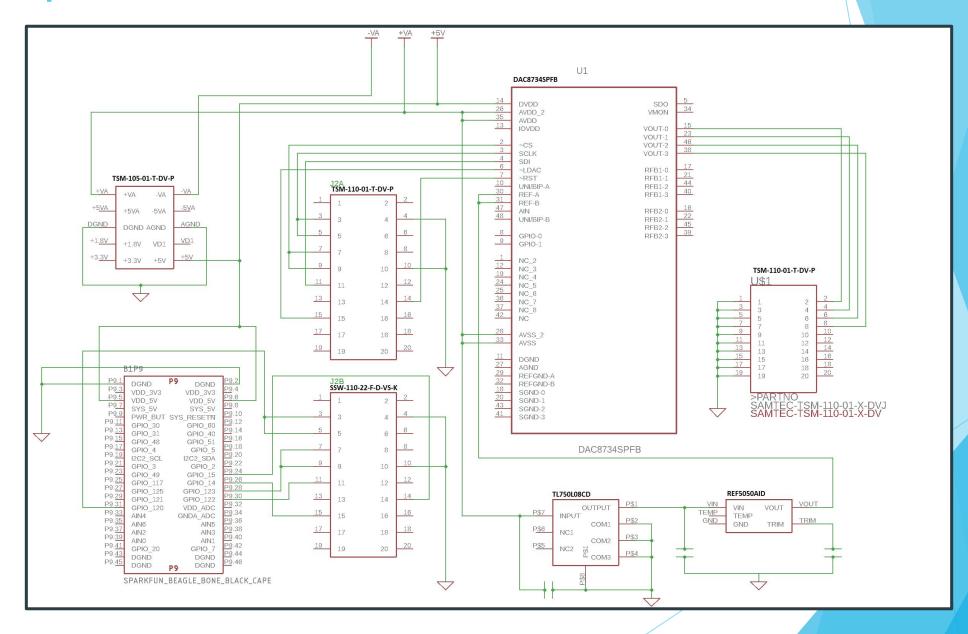
Story - Prepare Document for Board Design

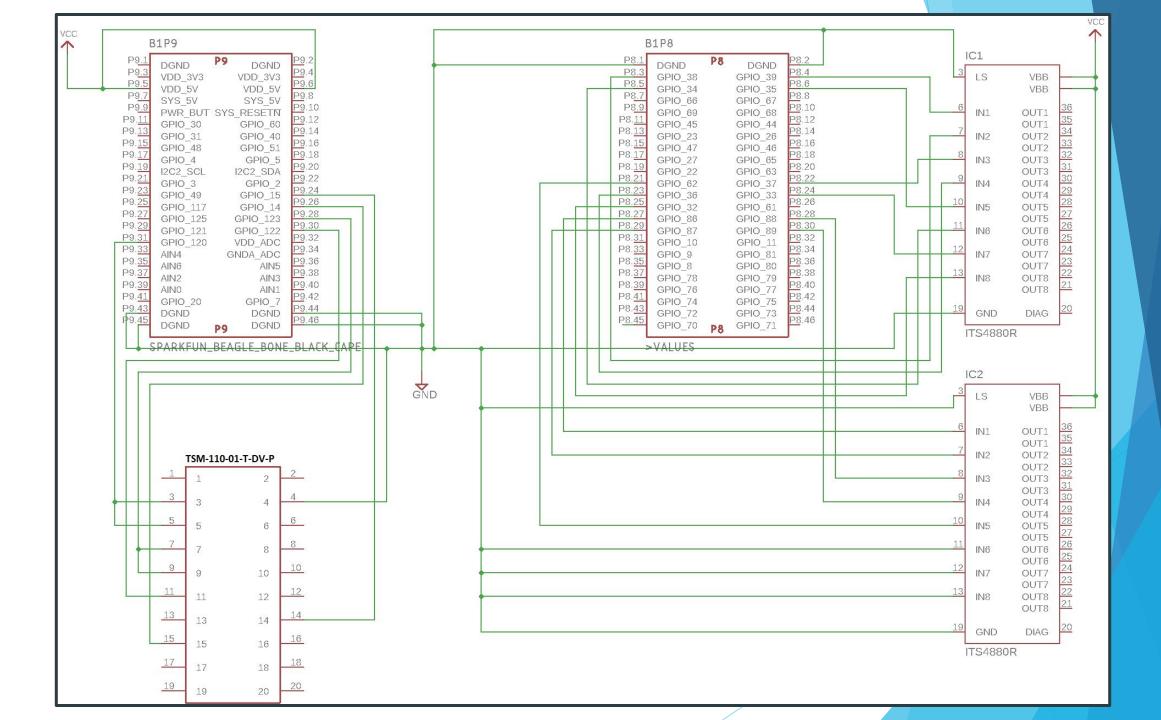
- Epic IoTester Refactoring
- Story points 8
- Story Owner Miroslav Sabo
- Description
 - As a hardware engineer
 - I need to create document for board design
 - So that we can use it as a guideline for creating final design of our new board
- Product owner acceptance criteria

Story - Prepare Document for Board Design

- Tasks Backlog
- Tasks In Progress
 - write document
- Done Tasks
 - analyzing board
 - create schematics

Examples





Story - Methodics

- Story without Epic
- Story points 3
- Story Owner Stanislav Širka
- Description
 - As a team member
 - I want to follow defined rules
 - So that I make a minimal number of conflicts in team processes
- Team acceptance criteria
 - Create and share methodic documents on Team Web (Tasks Managment, Methodics, Code Versioning, Web Managment)

Story - Methodics

- Tasks Backlog
- Tasks In Progress
- Done Tasks
 - Create methodic for Methodics
 - Create methodic for Code Versioning
 - Create methodic for Web Managment
 - Create methodic for Tasks Managment

Discussion Time

