



Industrial Consulting Text Channels / logs



Rui 02-Feb-21 11:56 AM

@everyone

Initial things that we might have to do:

1) Set up a github repo

- Automated kanban project
- Github wiki page, so we have one place for all the necessary documentation

2) Create a project plan

- Excel file
- Microsoft Project

3) Practices and conventions document

- CamelCase convention and naming for Java development

4) Define roles

We have some ideas on what everyone wants/is fit to do, however, I think we can decide this a bit more clearly when we know what we are supposed to do.

5) Go through the steps of development for the project

- Requirements
- Design
- Implementation / testing
- Documentation / maintenance



Rui 09-Feb-21 12:36 PM

@everyone

Initial research topics:

- JMeter
- Similar tools/applications: elastic stack, blazemeter (there's a plugin for chrome and firefox)
- Web monitoring metrics (appropriate metrics related with performance changes)
- influxDB (data storage)
- Grafana (visual representation of results in graphics)
- DevOps (container deployment, jmeter script automation)

First meeting notes / initial thoughts 09/02/21:

- Create a DevOps solution for continuously displaying UX and availability monitoring test results on a web page.
 - Thursday (11/02/21) meeting at 2pm. (Additional meetings throughout the week may be necessary)
 - Main goals for this meeting: gather requirements + allocate roles more precisely
- (edited)



Rui 11-Feb-21 03:34 PM
@everyone

Definition of basic use cases
Main System Proposition
Documentation Needed

Task Allocation:

Joao and Aeryk - JMeter and Performance Metrics
Afonso and Rui - InfluxDB/Grafana and how data will be moved between technologies
Tebogo - Docker, project deployment
All - documentation/presentation

Meetings:

Tue: 12-1pm
Thu: 2pm onwards

Requirements file link -

https://docs.google.com/document/d/1jwLMgzqOEsV_mV19dAASkGfjulsxQs-cWI9BdPXU8/edit (edited)

Requirements for Industrial Consulting project:

Requirements for Industrial Consulting project: Create a test plan
Canary testing Green/blue/red testing Integration testing
Make a request every x time (every 5 mins not sure) Store performance metrics in influxDB (metrics tbd) Status (main metric) Latency Sample size(Bytes) Ms response(Maybe) ...

Test Case ID	
Test Case Description	
Test Case Status	
Test Case Author	
Test Case Reviewer	
Test Case Date	
Test Case Version	
Test Case Comments	



Rui 16-Feb-21 05:28 PM
@everyone

Next steps for the project:

1) Edit a test plan in Java

Task Allocation:

Joao and Aeryk - JMeter and Performance Metrics
Afonso and Rui - InfluxDB/Grafana and how data will be moved between technologies
Tebogo - Docker, project deployment
All - documentation/presentation

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Requirements file link -

https://docs.google.com/document/d/1jwLMgzqOEsV_mV19dAASkGfjulsxQs-cWI9BdPXU8/edit

Requirements for Industrial Consulting project:

Requirements for Industrial Consulting project: Functional Non-functional Create a test plan Canary testing Green/blue/red testing Integration testing Unit test Make a request every x time (every 5 mins not sure) Store performance metrics in influxDB (metrics tbd) Status (main metr...

Test Case ID	
Test Case Description	
Test Case Category	
Test Case Status	
Test Case Priority	
Test Case Created By	
Test Case Last Modified By	
Test Case Created Date	
Test Case Last Modified Date	



Rui 16-Feb-21 06:02 PM

@everyone

Goals for thursday's meeting (18/2/21):

- 1) Getting Craig's example running on Docker
- 2) Create a more complete test plan
- 3) Update use cases and diagrams

Possible next steps/ideas for the project:

- 1) How to run JMeter/InfluxDB/Grafana in Java
- 2) How to deploy JMeter/InfluxDB/Grafana container(s)
- 3) How to edit JMeter test in Java
- 4) Create a website for monitoring
- 6) Automatically execute test plan every 5 minutes
- 7) Embed grafana visualizations in our website
- 8) Dynamically clear dashboard depending on the targeted website
- 9) Create test plan with JMeter API or Edit an .xml file

Meetings:

Tue: 12-1pm

Thu: 2pm onwards



Rui 18-Feb-21 06:04 PM

@everyone

Goals for tuesday's meeting (23/2/21):

@Tee

- 1) Getting Craig's example running on Docker

@Leites @its_aeryk_23

- 2) Create a more complete test plan
- 3) Update architecture diagram

@Afonso

- 4) Create robustness diagrams
- 5) Website development

@Rui

- 6) Automated kanban board, with some documentation explaining how it works
- 7) Project plan
- 8) Wiki

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Idea

Create and store base project on github (edited)



Rui 23-Feb-21 12:38 PM

@everyone

Goals for thursday's meeting (25/2/21) / next tuesday (2/3/21)

@Tee

- Getting Docker hosted (host tbd)

@Leites

- How to implement assertions for problem detecting in a jmeter test
- Update architecture diagram
- Create and store base project on github

@its_aeryk_23

- Adding a readme file with a link to the images
- Convert the word file to a md file

@Afonso

- Website development (.jsp / react)
- Host webpages on github

@Rui

- Integrate pull requests / Complete the documentation explaining how the project board works
- Research problems to implement in the pages
- Project Plan

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Note

Everyone feel free to update the wiki with documentation you consider necessary

Consider having different types of users

Consider possible further changes to use cases

Documentation (diagram) regarding the implementation of the faulty pages

Documentation (diagram) regarding the implementation of the ready pages



Rui 26-Feb-21 05:00 PM

@everyone **Meeting 10am (1/3)**

@everyone **Topics for presentation (2/3)**

- 1) Overall project description + System Diagram
- 2) Complete the project plan and post it on the wiki
- 3) Requirements represented by the Use cases supported by robustness diagrams
- 4) Role and task allocation + Attendance Sheet
- 6) Show documentation on wiki + walkthrough of Sprint Board
- 7) Demo

Note: Download the messages of all the text channels and keep them in a log book

Tasks that need to be completed

@Rui

Project Plan

@its_aeryk_23

Attendance sheet

@Tee

Write Wiki page about docker (edited)



Rui 02-Mar-21 11:56 AM

@everyone

Goals for thursday's meeting (4/3/21)

@Tee

- Getting Docker containers hosted (heroku)

@Leites

- Update architecture diagram
- Create template web application
- JMeter API usage

@its_aeryk_23

- Embed the diagrams on the github page
- Overall tidying of the repo
- Write about canary/red/blue testing and post the JMeter.pdf file to the wiki

@Afonso

- Website development (.jsp / react)
- Host webpages on github (webpage host tbd)
- Research problems to implement in the pages / Faulty website creation

@Rui

- Integrate pull requests / Complete the documentation explaining how the project board works

- Automate pull requests merge
- Research problems to implement in the pages

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Think about the desired project goal for the end of the second sprint



Rui 09-Mar-21 12:44 PM

@everyone

Goals for thursday's meeting (11/3/21)

@Tee

- JMeter running on Docker

@Leites

- Implement the thread pool

@its_aeryk_23

- Documentation about influxDB and Grafana how they work individually and collaboratively
- Research problem metrics to implement in the pages

@Afonso

- JavaScript implementations of a panel in the Grafana dashboard

@Rui

- Create automation scripts for some tasks (pull request merge, azure, maven builds)
- Research problem metrics to implement in the pages

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Think about the desired project goal for the end of the second sprint`



Rui 16-Mar-21 12:47 PM

@everyone

Goals for thursday's meeting (18/3/21)

@Tee

- Speed up result display times

@Leites

- Build the presentation
- Add logs

@its_aeryk_23

- Test Plan

@Afonso

- Implementing button on the dashboard

@Rui

- Implement yaml script on the repo
- Build the presentation

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Read about: Grafana Inverse Proxy`



Rui 18-Mar-21 04:24 PM

@everyone

Goals for tuesday's meeting (23/3/21)

@Tee

- Create a base JMeter test
- Create demo video

@Leites

- Build the presentation

@its_aeryk_23

- Test Plan
- Carry on with the JMX property edit test

@Afonso

- Implementing button on the dashboard

@Rui

- Implement yaml script on the repo
- Build the presentation

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Read about: Grafana Inverse Proxy

Read about: ReST API Calls (edited)



Rui 23-Mar-21 12:38 PM

@everyone

Goals for thursday's meeting (25/3/21)

@Tee

- Research about editing the URL

@its_aeryk_23

- Research the blazemeter extension and how it can be used to update fields
- Run a couple tests
- Test if we can edit fields of the test with the extension
- If not, what can we do with it?

@Afonso

- Form that holds user input

@Rui & @Leites

- Implement yaml script on the repo
- Research about ReST API
- How to tie grafana dashboard with the test plan
- GET/POST requests

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Questions for Craig: How to set up the ReST API

Read about: Grafana Inverse Proxy



Rui 25-Mar-21 05:24 PM

@everyone

Goals for tuesday's meeting (30/3/21)

@Tee

- Research about editing the URL
- Unit tests draft

@its_aeryk_23

- Get the template report file done

@Afonso & @Leites

- Form that holds user input

@Rui

- Further implement yaml script on the repo

Meetings:

Tue: 12-1pm

Thu: 2pm onwards



Rui 30-Mar-21 12:34 PM

@everyone

Goals for tuesday's meeting (6/4/21)

@Tee @Rui

- Change user defined values

- Unit tests
- Further implement yaml script

@its_aeryk_23

- Report writing

@Afonso & @Leites

- Form that holds user input
- Grafana interacting with the http server
- Research about editing the URL

Meetings:

Tue: 12-1pm

Thu: 2pm onwards

Deliverables

23/4) PID document (60%)

29/4) Presentation - 6:40 mins approx

29/4) Demo - 6 mins approx



Rui 01-Apr-21 05:13 PM

@everyone

Goals for tuesday's meeting (6/4/21)

@Tee & @Rui

- Change user defined values
- Unit tests
- Unit test job / editions yaml script
- Actions wiki page
- Start the ReST interface from the thread pool class

@its_aeryk_23 & @Afonso

- Report writing

@Afonso & @Leites

- Form that holds user input
- Grafana interacting with the http server
- Research about editing the URL
- WebApp project

Meetings:

Tue: 11-1pm

Thu: 2pm onwards

Deliverables

23/4) PID document (60%)

29/4) Presentation - 6:40 mins approx

29/4) Demo - 6 mins approx (edited)



Rui 08-Apr-21 04:37 PM

Report Structure 2k total

Note: Have documentation screenshots and any extra information in the appendices

(@its_aeryk_23 - 200)

PROJECT SUMMARY & INTRODUCTION

PROJECT OBJECTIVES

(@Tee - 200)

REQUIREMENTS

SCOPE AND EXCLUSIONS

(@Leites - 400)

MONITORING AND EVALUATION

(@Afonso - 500)

IMPLEMENTATION

RESULTS

(@Rui - 500)

PROJECT ORGANISATION STRUCTURE

PROJECT MILESTONES & MANAGEMENT

(@Afonso - 200)

CONCLUSIONS AND RECOMMENDATION

@everyone

Goals for tuesday's meeting (13/4/21)

@Tee

- Editing a jmx file with user's input

@its_aeryk_23

- Report writing

@Leites & @Rui6648

- Merging rest interface with performance test

@Afonso

- Form that holds user input, button to pick a jmx file
- Embed the grafana panels

Meetings:

Tue: 11-1pm

Thu: 2pm onwards

Deliverables

23/4) PID document (60%)

29/4) Presentation - 6:40 mins approx

29/4) Demo - 6 mins approx



Rui 20-Apr-21 12:10 PM

@everyone

Goals for thursday's meeting (22/4/21)
PID DEADLINE

@Tee

- Implement output of test's information
- Edit the graphs display

@its_aeryk_23 & @Afonso

- Put the report together
- References (at least 10)
- Table that specifies what was accomplished or not

@Rui & @Leites

- Presentation structure
- Presentation writing and recording

Meetings:

Tue: 11-1pm

Thu: 2pm onwards

Deliverables - One person to deliver

23/4) PID document (60%)

29/4) Presentation - 6:40 mins approx (40%)

29/4) Demo - 6 mins approx (edited)

Exported 19 message(s)