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## **ISSUE-TRACKER USERSTORIES AND SCENARIOIS**

## 1. TEAM LEADER BIZ PERSPECTIVE

As a team leader

In order to operate successfully one or many projects of my team(s) I want to have a nice user experience while using the issue-tracker tool.

## 1.1. Projects management

As an team leader

In order to be able to manage multiple projects

I wanto to be able to create, update and remove projects.

#### 1.1.1. Create new projects

As an team leader

In order to be able to manage new projects

I wanto to be able to create projects via the issue-tracker

## 1.1.2. Remove existing projects

As an team leader

In order to be able to stop the work on existing projects

I wanto to be able to remove projects via the issue-tracker

#### 1.1.3. Update existing projects

As an team leader

In order to be able to change attributes of the projects I am responsible for  $% \left\{ 1,2,...,n\right\}$ 

I wanto to be able to update the projects' data.

#### 1.1.4. Search for existing

#### projects

As an team leader

In order to be able to quickly access existing projects

I wanto to be able to search the projects.

## 1.1.5. Switch between projects

As a team leader

In order to manage issues from different projects

I wanto to be able to switch between different projects easily and quickly

#### 1.1.5.1. Web UI for switch between projects

As a team leader

In order to manage issues from different projects

I wanto to be able to switch between different projects easily and quickly

by simply changing the first token of the url of the app

## 1.1.5.2. Current project visibility

As a team leader

In order to avoid confusion betweeen different projects

I wanto to be able to see the current project name from any interface I am working in quickly and esily

## 1.2. Time management

As an team leader

In order to be able the maximize the performance of the team for issue-tracker used periods

I wanto to be able to manage time efficiently

by accessing a simple page containing its value and the period it is related to.

## 1.2.1. Total planned time

## tracking

As a team leader

In order to see the planned time left for achieving the goals of a period

I want to be able to have a +-3% approximation of the planned time left for a period

by accessing a simple page containing its value and the period it is related to

#### 1.2.2. Total remaining allocated time

#### tracking

As a team leader

In order to see the remaining time left for achieving the goals of a period

I want to be able to have a +-3% approximation of the allocated time left for a period

#### 1.2.3. Total spent time

#### tracking

As a team leader

In order to see the spent time left for achieving the goals of a period

I want to be able to have a +-3% approximation of the spent time left for a period

by accessing a simple page containing its value and the period it is related to

#### 1.2.4. Tracking of issues per

#### period

As a team leader

In order to see the relation of the issues to the daily, weekly, monthly, yearly, quinquennially and decadelly periods

I wanto to be able to manage the issues within those periods per period and mother period

#### 1.3. Security Management

As an team leader

In order to keep my business data secure

I wanto to be able decide which users to which projects whill have access to

#### 1.3.1. Users management

As an team leader

In order to keep my business data secure

I wanto to be able decide which users to which projects will have access to

#### 1.3.1.1. Add new users to a project

As an team leader

In order to be able to add new users into a project

I wanto to be able to add them via the UI only by their e-mail address.

#### 1.3.1.2. Update existing users in a project

As an team leader

In order to be able to update the existing users from a project

I wanto to be able to update their details via the UI only by their e-mail address.

#### 1.3.1.3. Delete existing users from a project

As an team leader

In order to be able to delete the existing users from a project

I wanto to be able to delete their details via the UI only by their e-mail address.

## 1.3.1.4. Search for users in a project

As an team leader

In order to be able to search the existing users from a project

I wanto to be able to search their details via the UI only by their e-mail address.

## 1.3.2. Users access management

As a team leader

In order provide the persons and programs access to my project

I want to provide read, write access to the data and execute access ( run DDL's) per table

## 1.3.2.1. Grant access per project

As a team leader

In order to enroll authenticated users into the project I am responsible to

I want to be able to grant them with access by only writing their e-mail into a text field and clicking invite button.

#### 1.3.2.2. Personal data handling minimization

As a team leader

In order to avoid legal obligations and complex procedures while handling personal data

I want to be able to handle the interpersonal exchange of data by collecting ONLY the e-mail of the persons or programs participating in the project

## 2. TEAM MEMBER BIZ

#### **PERSPECTIVE**

As a team member

In order to operate successfully in the project

I want to have a nice user experience while using the issue-tracker application

by being able to manage all the items in the application ( issues, questions, problems , etc. )

## 2.1. Issues management

As a team member of the issue-tracker

In order to achieve the best posible efficiency during the work on one or many projects

I wanto to be able to manage the issues in those projects.

#### 2.1.1. Create new issues

As an team member

In order to be able to manage multiple issues

I wanto to be able to create, update and remove issues.

#### 2.1.2. Update existing issues

As an team member

In order to be able to manage new issues

I wanto to be able to create issues via the issue-tracker

#### 2.1.3. Remove existing issues

As an team member

In order to be able to stop the work on existing issues

I wanto to be able to remove issues via the issue-tracker

## 2.1.4. Search for existing

#### issues

As an team member

In order to be able to change attributes of the issues I am responsible for

I wanto to be able to update the issues' data.

## 2.1.5. Track issues progress

As an team member

In order to be able to quickly access existing issues

I wanto to be able to search the issues.

#### 2.1.6. Track issues

## history

As a team member

In order to keep track on what and when was planned on daily basis

I wanto to be able to keep track what was planned on a project term - day, week, month, year, quinquennial or decade

## 2.2. Items management

As a team member of the issue-tracker

In order to achieve the best posible efficiency during the work on one or many projects

I wanto to be able to manage the Items in those projects, where items could be ( problems , questions etc. )

#### 2.2.1. Create new Items

As an team member

In order to be able to manage multiple Items

I wanto to be able to create , update and remove Items.

#### 2.2.2. Update existing Items

As an team member

In order to be able to manage new Items

I wanto to be able to create Items via the issue-tracker

## 2.2.3. Remove existing Items

As an team member

In order to be able to stop the work on existing Items

I wanto to be able to remove Items via the issue-tracker

## 2.2.4. Search for existing

Items

As an team member

In order to be able to change attributes of the Items I am responsible for I wanto to be able to update the Items' data.

#### 2.2.5. Track Items progress

As an team member

In order to be able to quickly access existing Items

I wanto to be able to search the Items.

#### 2.2.6. Track Items

#### history

As a team member

In order to keep track on what and when was planned on daily basis

I wanto to be able to keep track what was planned on a project term - day, week, month, year, quinquennial or decade

#### 2.3. Track issues relations

As a team member of a project

In order to trace the issues relations to userstories, features and tests or any other objects I wanto to be able to access the related objects to an issue by means of a link

## 2.3.1. Generic search for items from a single entity ( table

)

As a team member

In order to be able to find all the items from a single entity

I want to be search for those items from the UI of the application

by using a single omnibox UI interface.

#### 2.3.2. Generic list for the searched items from a single entity ( table

)

As a team member

In order to be able to list and review all the items from a single entity

I want to be able to review the searched items for those items from the UI of the application  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left$ 

by using a single label forms like interface

## 2.3.2.1. Generic list labels for the searched items from a single entity ( table )

As a team member

In order to be able to list and review all the items from a single entity

I want to be able to review the searched items for those items from the UI of the application

by using a single label forms like interface

## 2.3.2.2. Generic cloud list for the searched items from a single entity ( table )

As a team member

In order to be able to list and review all the items from a single entity

I want to be able to review the searched items for those items from the UI of the application  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left$ 

by using a single tag cloud like interface

## 2.3.3. Generic create capability from UI for new items from a single entity ( table

As a team member

In order to be able to create new items from a single entity

I want to be able to create new items from the UI of the application

by using a simple form.

## 2.3.4. Generic edit capability from UI for existing items from a single entity ( table

)

As a team member

In order to be able to edit existing items from a single entity

I want to be able to edit those items from the UI of the application

by using a simple form.

## $\textbf{2.3.5. Generic delete capability from UI for existing items from a single entity ( \ \textbf{table}$

)

As a team member

In order to be able to delete existing items from a single entity

I want to be able to edit those items from the UI of the application

by using a simple form.

#### 2.4. Measure success

As a team member

In order to measure the success of the planned issues

I wanto to be able to measure the deliverables of each issue by comparable metrics.

## 2.5. Monitor success

As a team member

In order to monitor the success of the planned issues

I wanto to be able to monitor the metrics of the issues.

#### 2.6. Time management

As an issues-manager

In order to be prepared for issues such as ( events , tasks ) which have start and stop time I wanto to be able to save their start\_time and stop\_time per issue in every possible interface

#### 2.6.1. time centric

#### planning

As an issues-manager

In order to be able to plan the issues data for a certain term - day,week,month,year,quinquennial or decade I wanto to be able to perform all the features of the issue-tracker on that specific period regardless whether it is today , in the past or in the future

## 2.6.2. time centric

#### reporting

As an issues-manager

In order to be able to report the issues data for for a certain term - day, week, month, year, quinquennial or decade I wanto to be able to perform all the features of the issue-tracker on that specific day regardless whether it is today , in the past or in the future

#### 2.7. Generic CRUDS for items

As a team member

In order to be able to manage all the items in the application I have access to

I want to be able to create, update, delete and search for those items from the UI of the application.

## 2.8. Project's persons issue combinations

As the project manager of an issue-tracker project

In order to be able to quickly and reliably combine the reported hours by the project's people

I wanto to be able to read their issue-tracker formatted google sheets and combine them into a single project's google issue-tracker sheet

# 3. PROJECT OBSERVER BIZ PERSPECTIVE

As a project observer

In order to observe the advancement of a project

I want to have a nice user experience while using the issue-tracker application.

#### 3.1. Projects observation

As a project observer

In order to observe the advancement of a project

I want to be able to observe the project's data.

## 3.2. Issues observation

As a project observer

In order to observe the advancement of the project's issues

I want to be able to observe the project's issues.

# 4. SYSADMIN PERSPECTIVE

As a sysadmin of the issue-tracker application

In order to complete the tasks and activities of my role

I want to have a nice user experience while using the issue-tracker application.

## 4.1. System deployability

As the SysAdmin

In order to be able to provide access to a new database driven application to my organisation

I wanto to be able to deploy an instance of the issue-tracker application and spawn a new project out of it in less than a hour from a clean Linux host.

## 4.2. System performance

As the SysAdmin

In order to ensure the performance of the issue-tracker application

I wanto the System containing the issue-tracker application to perform its functions within the defined performance criteria

## 4.3. System stability

As the SysAdmin

In order to minimize downtimes and ensure continuous operations

I wanto the System containing the issue-tracker application to perform its defined functions on request without interruptions or unknown side effects

## 4.4. System reliability

As the SysAdmin

In order to be able to rely on the operations of the tool

I wanto the System containing the issue-tracker application to perform its functions as specified consistently

#### 4.5. Ease of use

As the SysAdmin

In order to be efficient and decrease the amount of errors

I wanto to generally perform any command the system within the sysadmin scope via clean and memorable oneliners

## 5. ETL AND INTEGRATIONS PERSPECTIVE

As an ETL and integrations specialist

In order to complete the tasks and activities of my role

I want to have a nice user experience while using the issue-tracker application.

## 5.1. Dabase to json files data load

As the ETL and Integration Specialist

In order to be able to quickly move all the project data into a different storage format

I wanto to be able to export the project db data into json files - one per table via a single shell call.

## 5.2. Json files to db data load

As the ETL and Integration Specialist

In order to be able to quickly move all the project data from json files into the db tables

I wanto to be able to import the exported json files ( one per table ) into the database.

#### 5.3. XIs-to-mysql-db hierarchical data load

As the Data Integrator

In order to be efficient while handling the System's hierarchical data

I want to be able to

use a single shell call to load all or chosen table(s) to the mysql db

## 5.3.1. error reporting in xls-to-mysql-db hierarchical data load

As the Data Integrator

In order to be efficient while troubleshooting data loading errors

I want to be able to see :

- which table's load failed
- what was the error in failed to

## 5.4. XIs-to-postgres-db hierarchical data load

As the Data Integrator

In order to be efficient while handling the System's hierarchical data

I want to be able to

use a single shell call to load all or chosen table(s) to the postgres db

#### 5.4.1. error reporting in xls-to-postgres-db hierarchical data load

As the Data Integrator

In order to be efficient while troubleshooting data loading errors

I want to be able to see :

- which table's load failed

- what was the error in failed to

## 6. DEVOPS PERSPECTIVE

As a devops operator of issue-tracker application

In order to complete the tasks and activities of my role

I want to have a nice user experience while using the issue-tracker application.

## 6.1. System verifiability and testability

As an ITOPS

In order to be able to rely on the operations of the tool

and manage easily its features and functionalities

I wanto the easily verify and test parts or the whole System

by issuing a single shell call.

## 6.1.1. Clarity and breavity of the end to end

#### tests

As an ITOPS

In order to be able to verify all the features and functionalities of the tool within the System

I want to see the results of each test in 1 fow in the following format:.

#### 6.1.2. Abort end-to-end tests on single test fail

As an ITOPS

In order to be able to run continuously end-to-end tests and skip for several runs failing teists

I want to be able to configure the single e2e entry point script to skip certain tests, but report me what was skipped.

#### 6.2. Logging

As a Full-Stack Developer

In order to quickly understand what is hapening in the application

I wanto to have easy-to-use and highly customizable logging to both file and console.

#### 6.2.1. Control flow logging

As a CLI user

In order to be able to understand what the issue tracker tool is executing

I wanto to have configurable logging with stderr, stdout and file output

## **6.2.2. Log entries format**

#### configuration

As a Full-Stack Developer

In order to be able to get the msg of any component of the application

I want each log entry to content:

- the type of the entry  $\log$  , error, warn , fatal
- the timestamp of the log entry event
- the name of the componet issueing the msg and the line num of the src file
- the msg as it was echoed by the application

## 6.2.3. Single entry point for end to end

#### tests

As an DevOps

In order to be able to verify all the features and functionalities of the tool within the System

I want to run a single shell call running all the end-to-end test of the application ensuring the prespecified features and functionalities.

## 6.2.4. Tool run log to human readable description

As a CLI user

In order to be able to get a human readable description of the log of the specific run of the tool

I wanto to be able to translate the recorded uuid's in the execution run log to their respective records

#### 6.3. Application's source code and documentation integrity

As a Full-Stack Developer

In order to make easy the entry of other developers to the projects

I want to be able to point to written documentation for user-stories, issues, features and functionalities, which will be linked to parts of the source code.

#### 6.3.1. Userstories to test case

#### relations

As a Developer

In order to ensure the stability and expandability of the application

I want to be able to run for each implemented userstory a single test

#### 6.3.2. UUID tracability for test files and

#### userstories

As a Developer

In order to identify each userstory to be tested with its according test

I want to be able to track each userstory or test code entry point file by UUID.

#### 6.3.3. Components start run message

#### print

As a CLI user

In order to know when a component has been started

I wanto to be able to see the "START <<COMPONENT\_NAME>> on either the STDOUT or the log file of the component

#### 6.3.4. Tool exit with exit code and exit

#### message

As a CLI user or calling calling automated component

In order to be able to understand whether or not the execution of the call to the tool was successful or not

I wanto to get the exit code from the tool execution and see the exit message

#### 6.3.5. Execution path tracing by

#### **UUID**'s

As a DevOps operator

Foreach execution run of the tool

I want to be able to walk trough the execution path of the tool programatically.

#### 6.3.6. Issues directories naming

#### conventions

As a issues manager

In order to be able to manage lots of issues from different projects stored in plain txt files

I wanto to be able to store large quantity of issues txt files by their date on daily, weekly, monthly, yearly and decadally basis

## 6.3.7. Issues files naming

#### conventions

As a issues manager

In order to be able to manage lots of issues from different projects stored in plain  $\mathsf{txt}$  files

and open them quickly

I wanto to be able to just type the first letter in a text editor supporting select opened file by typing its first letter and jump to that file

## 6.3.8. Issues file

#### open

As a CLI user

In order to be able quickly to access my issues (daily, weekly, monthly, yearly)

I wanto to be able to view my daily issues by simply opening a single txt file

#### 6.3.9. Issues files

## history

As a CLI user

In order to be able quickly to search trough old issues

I wanto to be able to access old issues files by their date held in their file names from the file system

## 6.3.10. Issues files naming

#### conventions

As a DevOps

In order to be able quickly to access and manage programatically issues

I wanto to be able to guess the file paths of the issues file by their date

## 6.3.10.1. Issues files naming conventions for the project

As a DevOps

In order to be able quickly to switch between different projects

I wanto to have the project name of the issues file in its name as the first token as follows:

<<issue\_tracker\_project>>-issues.<<current-iso-date>>.<<daily|weekly|monthly|yearly>>.txt

## 6.3.10.2. Issues files naming conventions for current date

As a DevOps

In order to be able quickly and programmatically to go back in the history

I wanto to have the current registration date in the file name and path

<<issue\_tracker\_project>>-issues.<<current-iso-date>>.<<daily|weekly|monthly|yearly>>.txt

#### 6.3.10.3. Issues files naming conventions for the time frame

As a DevOps

In order to be able quickly and programmatically to go back in the history

I wanto to have the current registration date in the file name and path

<<iissue tracker project>>-issues.<<current-iso-date>>.<< ( daily|weekly|monthly|yearly) >>.txt

#### 6.4. Issues transformations

As a cli user of the issue-tracker application

In order to be able to sort the issues according to their attributes

and edit them in both txt file and xls filee

I wanto to be able to perform the following loads:

txt-to-db - to load a txt file with issues to an issues table in db

db-to-xls - to load a xls file from db table to xls

xls-to-db - to load a xls file with issues to an issues taable in db

db-to-txt - to load a txt file from db table

#### 6.4.1. Load by txt-to-db

#### action

As a cli user of the issue-tracker application

in order to store my issues in structured form to db for further processing

I want to be able to load any issue file with a single line shell call to a db

#### 6.4.1.1. Load issues file from file system to db

As a cli user of the issue-tracker application

- in order to be able to handle issues from different projects
- and load them to db for further processing

I want to:

- pre-set the variables of the project
- and than load any issue file with a single line shell call to a db
- and optionally specify the period of the issues file ( daily , weekly , monthly , yearly ) with daily as default

#### 6.4.2. Load issues by db-to-xls

#### action

As a cli user of the issue-tracker application

in order to be able to sort and edit my issues in Excel

I want to be able to unload my issues from one or many tables in the db at once in a single shell call

#### 6.4.3. Load issues by xls-to-db

#### action

As a cli user of the issue-tracker application

in order to store my issues in structured form to db for further processing after being sorted in Excel

I want to be able to load my latest xls file with a single line shell call to a db

by choosing the names of the tables to load

## 6.4.3.1. Load issues by xls-to-db action for insert or upset

As a cli user of the issue-tracker application

in order to insert or upsert my issues in structured form to db for further processing after being sorted in Excel I want to be able to load my latest xls file with a single line shell call to a db

by choosing the names of the tables to load and specifying upsert by adding the guid column to the xIs sheet

## 6.4.3.2. Load issues by xls-to-db action by truncating or not the loadable table

As a cli user of the issue-tracker application

in order to store my issues in structured form to db for further processing after being sorted in Excel

I want to be able to load my latest xls file with a single line shell call to a db

by choosing the names of the tables to load

## 6.4.4. Load issues by db-to-

txt

As a cli user of the issue-tracker application

in order to store my isssues in more structurized data format for further procesing

I want to:

- be able to load the issues for a period from the db to a file
- by choosing the names of the tables to load

## 6.4.4.1. xls-to-db action load sort by issues prio attribute

As a cli user of the issue-tracker application

during the db-to-txt action load

in order to understand the priority of my issues

I want to :

- be able to specify the order in the issues txt files lines to be based on the prio attribute

by choosing the names of the tables to load

#### 6.4.4.2. db-to-txt action load sort by issues start time attribute

As a cli user of the issue-tracker application

during the db-to-txt action load

in order to understand the priority of my issues

I want to:

- be able to specify the order in the issues txt files lines to be based on the start\_time attribute ( start\_time could be in the following format YYYY-mm-dd HH:MM in start\_time or HH:MM )

by choosing the names of the tables to load

#### 6.4.4.3. db-to-txt action load sort by issues start\_time attribute

As a cli user of the issue-tracker application

during the db-to-txt action load

in order to view the issues by categories

I want to:

- be able to specify the order in the issues txt files lines to be based on the category attribute

## 6.4.5. Load issues file from db to file

#### system

As a cli user of the issue-tracker application

in order to store my isssues in more structurized data format for further procesing

I want to:

- be able to load the issues for a period from the  $\mbox{\ensuremath{\mbox{db}}}$  to a file
- and optionally specify the period of the issues file ( daily , weekly , monthly , yearly ) with daily as default

## 6.5. issues file filtering

As a CLI user

In order to filter quickly my issues

I wanto to be able to show the issues with their categories of only certain status

## 6.6. Single shell call for projects switching

As an issues-manager

In order to be able to switch between different projects quickly

I wanto to be able to issue a single shell call for loading a project's configuration

and run the issue-handler against this pre-loaded configurtion

#### 6.7. Issues publishing from shell calls

As a DevOps

In order to be able to quickly share the current issues data in tabular format

I wanto to be able to issue a single shell call for copying the current items data to a medium by specifying the tables to be published

#### 6.7.1. Issues publishing in e-mail format

As a DevOps

In order to be able to quickly share the current issues data in email format

I wanto to be able to issue a single shell call for copying the current items data to email by specifying the tables to be published

## 6.7.2. Issues handling in google sheet format

As a DevOps

In order to be able to quickly share the current issues data in tabular format

I wanto to be able to issue a single shell call for copying the current items data to google sheet by specifying the tables to

be published

#### 6.7.3. Issues publishing in google calendar format

As a DevOps

In order to be able to quickly share the current issues data in google calendar format

I wanto to be able to issue a single shell call for copying the current items data to google calenda by specifying the tables to be published for the items having set start\_time and stop\_time attributes.

## 6.8. Metadata handling

As a DevOps

In order to be able to programatically manage all aspects of my data

I wanto to have a single entry point to manage the meta data per tables , colums and UI elements

so that even a table, column or whatever object is not popullated in the meta still there will be default values for it usable by the application

## 7. UI PERSPECTIVE COMMON FOR ALL ROLES

As an UI user of the issue-tracker application

In order to manage my issues via the UI successfully

I want to have a nice user experience while using the issue-tracker application.

#### 7.1. UI Performance

As an UI user of the issue-tracker application

In order to enjoy the usage of the tool and interact efficiently

I wanto to to have responsive and quick UI.

#### 7.1.1. UI Page load times

As an UI user of the issue-tracker application

In order to enjoy the usage of the tool and interact efficiently

I wanto to to have a maximum page load time on efficient network less than 0.5 seconds and preferably even less than 0.3 seconds

#### 7.1.2. UI Page parts load

#### times

As an UI user of the issue-tracker application

In order to enjoy the usage of the tool and interact efficiently

I wanto to to have a maximum page part load time on efficient network less than 0.5 seconds and preferably even less than 0.3 seconds

## 7.2. Items search

As an issue-tracker ui user

In order to be able to search ANY items ( issues, problems, ideas etc. )

I want to have a pop-up search omnibox with dimmed background providing with interactive autocomplete, which would assist me in specifying the search criteria for any item I want to list.

## 7.2.1. Omnibox autocomplete for item-

#### name

As an issue-tracker ui user

In order to be able to quickly specify the name of the item I am searching for ( issue,problem,idea etc. )

I want to be able to use a special natural-language like syntax in the autocomplete when the omnibox appears,

by having the System displayed the "for:" string and starting providing me autocomplete for the items names in a dropbox list I could choose from.

## 7.2.2. Omnibox autocomplete for with <<atribute>> name <<operator>> <<attribute-value>>

As an issue-tracker ui user

In order to be able to quickly specify the search criteria to re-strict the already chosen item to search for

I want to be able to use a special natural-language like syntax in the autocomplete when the omnibox appears,

by having the System displayed the "with:type-here-the-attribute op:type-here-operator val:type-here-the-value" string and starting providing me autocomplete for the filtering criteria.

## 7.3. Items listing

As an issue-tracker ui user

In order to be able to quickly see as much items ( issues, problems, ideas etc. )

I want to list the items in a web page according to the filtering criteria I might have specified earlier on  $\dots$ 

#### 7.3.1. items listing in table format

As an UI user of the issue-tracker application

In order to quickly display as much items ( issues, problems, questions, etc. ) as possible

I want to be able to list the items per period.

#### 7.3.1.1. Automatic issue items sequencing

As an UI user of the issue-tracker application

In order to save time while arranging all the different issue items

I want the System to automatically sequence each item in list view by a defaut incremental sequence unless I have specified my own sequence.

## 7.3.1.2. items re-ordering by desired or defaut attribute in list view

As a UI user

In order to prioritize and re-arrange to a logical sequence my items

I wanto to be able to drag and drop items up and down,

which would correspondingly increase or decrease their attribute to which they are currently sorted or ordered by.

#### 7.3.1.3. items list default row height

As a UI user

In order to quickly comprehend the data in the lists

I wanto each row of the ui to have a certain minimum height and whenever the data cannot fit into this height to be greater than it

#### 7.3.1.4. Drag and drop columns in table to reorder columns order

As the UI user of an issue-tracker instance

In order to list the attributes of an item in a order significant for the moment

I want to be able to drag and drop columns in the table so that the System would re-render the table with the new order.

#### 7.3.1.5. Columns resizing in table listing

As the UI user of an issue-tracker instance

In order to see better the contents in the table columns

I want to be able to resize the columns width (excel like or by other means)

## 7.4. Items editing

As an UI user of the issue-tracker application

In order to update the application data via the UI

I wanto to be able to edit the data for ANY of the items in the application I have access to.

## 7.4.1. Items editing in list as table view

As an UI user of the issue-tracker application

In order to be able to quickly edit the data of ANY item I

I want to be able to quickly navigate to the item to edit and update the data of exactly this item

## 7.4.1.1. Items editing in list as table view in-line

As an UI user of the issue-tracker application

In order to be able to quickly edit the data of ANY item I

I want to be able to quickly navigate to the cell of the table of the data I want to edit

and update the data by clicking with the mouse or navigating with the tab and typing the new data, so that when navigating out of the cell the data will be updated unless the Esc case has been clicked.

#### 7.4.1.2. Items editing in list as table view via form

As an UI user of the issue-tracker application

In order to be able to quickly edit the data of ANY item

I want to be able to click on the edit button , fill in the poping-up dialog with the form of the full data of the item and clicking the Save button.

## 7.4.1.3. Refresh list on item edit

As an UI user of the issue-tracker application

In order to see the updated list after editing it

I want the System to refresh the list according to the new updated value - that is for example if the order was set to be prio and the prio was updated, the page should be refreshed with the new prio order applied

#### 7.5. Items creation

As an UI user of the application

I order to create new items in the application

I wanto to be able to create them via the UI

by clicking "create new button" and filling as few as possible data entries and clicking a Save button for ANY of the items in the application.

#### 7.6. Items deletion

As an UI user of the application

I order to delete existing items in the projecg

I wanto to be able to delete them via the UI

by clicking a "delete " button and confirming the deletion for the item.

#### 7.7. Mobile UI

As an UI user of the issue-tracker application

In order to enjoy to be able to access it quickly on the go

I wanto to be able to use the same UI on an advanced mobile phones.

#### 7.8. UI for accessing different projects

As an issue-tracker ui user

In order to be able to quickly switch between projects of the issue-tracker application instance I have access to I wanto to be able to access a web page providing autocomplete to preloaded configuration entries for the different projects

#### 7.9. UI for Time management in Google Calendar

As an issue-tracker ui user

In order to be prepare for issues such as ( events , tasks ) which have start and stop time

I wanto to be able to view the issues with the same title, start\_time and stop\_time in google calendar

#### 7.10. items data transfer between different projects

As the UI user of an issue-tracker instance

In order to save be able to track my personal time usage between different projects and the different interdependancies I want to be able to move items data from one project to another via the UI

#### 7.11. Issues export to Google calendar

As the UI user of an issue-tracker instance

In order to be able to visualize and manage my start- and stop\_time having issues better

I wanto to be able to export my issues to Google calendar

## 7.11.1. Copy an issue-tracker instance issue to a google calendar

#### event

As an issue-tracker ui user

In order to be able to see my issues time-schedule via phone and browser in a calendar view

I wanto to be able to copy via the ui an issue as a new google calendar event

#### 7.12. Issues import from Google calendar

As the UI user of an issue-tracker instance

In order to be able to visualize and manage my my start- and stop\_time having issues better

I wanto to be able to import my Google calendar issues into my issue-tracker profile on an issue-tracker instance

## 7.13. Access issues txt format from email

As a user of the issue tracker tool

In order to be able to access and read my issues from a mobile device

I wanto to be able to send each period txt file from the daily folder via gmail.

#### 7.14. Access issues data from Google sheet

As the biz user of the issue tracker tool

In order to be able to share and edit the data with multiple users authenticated within the Google eco system I wanto to be able to access , edit and update the issues data from google sheeet

## 7.14.1. Apply publish filter while posting to Google

## Sheet

As the biz user of the issue tracker tool

In order to show only relevant data to the future viewers of the published to Google sheets issues data I wanto to be able to apply publishing filter for columns to be left unpublished per item table per project

## 8. UI DEVELOPER PERSPECTIVE

As the UI Developer

In order to be able to deliver working solutions for the UI I wanto to have user friendly development experience.

## 8.1. Testability

As the UI Developer In order to deliver working ui units I wanto to be able to quickly setup the existing project with minimalistic default set of data

## 8.2. Code traceability

As the UI Developer

In order to be able to grasp the inner working of the application

I want to be able to search by user-story uuid from the source code of the application.