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# ISSUE-TRACKER

## 1. WHY

Why ?! Yet. Another. App ?!

Because work should be inspiring and not overwhelming people.

Because even good intentions without proper commitment, allocation and resourcing and most importantly a mean for tracking advancement of an endeavor in open way reflecting with the reality, might end-up making people less happy, when in fact a really simple solution could be applied for any bigger challenge requiring progress tracking and people communication and coordination... And tons of other reasons we all having been in project disasters know about ... Still here ?! Let's move on !

Figure: 1 issue tracker objects polygon



## 2. WHAT

An application to manage multiple projects' issues, store them in postgres db, present them into dynamic web pages, write them into xls files, and publish them into Google Sheets with a lot of cool functionalities.

The full and extensive features and functionalities document could be read from:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-features-and-functionalities.md>

This application is the reflection of the best practices and principles for tens of years in IT resulting into a product of the Multi-environment instance architecture and the Input-Output Controller Model architecture ( more about this in the DevOps guide:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-features-and-functionalities.md>

## 3. USAGE SCENARIO

We have stumbled into real life problem in the ETL works of a Scandinavian big telco company, which could have been solved even with the current version of the tool, which is FAR from ready as the current number 0.4.8 indicates ...

### 3.1. Assumption and prerequisites

Namely, if your organisation:

- has the need to constantly update comparably small hierarchy tables
- has secured intranet access to a Linux box
- full trust to the persons having http access for CRUD operations exists ( as no authentication is yet implemented )
- there is a need to load MANY tables into a postgres db
- the API of having bigint id , and uid as PK is acceptable

### 3.2. Proposed capabilities

You could:

- deploy an instance of the issue-tracker

- provide access to the non-technical person via http for CRUD operations
- provide them with initial links to grasp the "semi-sql" syntax
- quickly define LOTS of tables DDL by using the existing examples and just changing the columns
- load initial data via xls ( less than 10k rows per shee should be ok )

### 3.3. Installation assistance

We could provide you with free assistance for the deployment of the first instance in your organization, even we consider the existing documentation good enough to deploy the application only by following the instructions in the Installation Guide:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-installation-and-configuration-guide.md>

In the real IT life however the mealage always varies, hence this last "bonus offer".

## 4. DEMO

You can check the following running instance of the tool:

[http://ec2-34-243-97-157.eu-west-1.compute.amazonaws.com:8080/prd\\_issue\\_tracker/list/monthly\\_issues?as=table&pick=id,status,prio,name,weight,start\\_time,stop\\_time&page-size=10&page-num=1](http://ec2-34-243-97-157.eu-west-1.compute.amazonaws.com:8080/prd_issue_tracker/list/monthly_issues?as=table&pick=id,status,prio,name,weight,start_time,stop_time&page-size=10&page-num=1)

## 5. INSTALLATION AND CONFIGURATION

You could either try quickly to execute the instructions bellow this section or

follow the installation instructions from the Installation and Configuration Guide in the docs/md dir:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-installation-and-configuration-guide.md>

## 6. ADDITIONAL DOCS

Additional docs could be found in the doc/md dir.

<https://github.com/YordanGeorgiev/issue-tracker/tree/master/doc/md>

and in pdf format in the doc/pdf dir:

<https://github.com/YordanGeorgiev/issue-tracker/tree/master/doc/pdf>

A good starting point could be the "features doc." :

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-features-and-functionalities.md>

The user-stories doc :

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-user-stories.md>

The Requirements document contains the requirements for the application:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-requirements.md>

The SystemGuide contains the description of the existing issue-tracker System and it's architecture:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-system-guide.md>

The DevOps Guide contains the instructions for the devops operators:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-devops-guide.md>

## 7. ACKNOWLEDGEMENTS

This project would not have been possible without the work of the communities of the people working on the following frameworks/languages/OS listed in no particular order.

- Mojolicious
- Vue
- Perl
- GNU Linux

Deep gratitude's and thanks for all those people !

This application aims to contain the best practices of our former colleagues and collaborators and co-travelers in life, which also deserve huge thanks for their support and contributions !

## 8. LICENSE

All the trademarks mentioned in the documentation and in the source code belong to their owners.

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<https://dev.perl.org/licenses/artistic.html>

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