QCAT - User Story #843

ID for single cases and version: Rethinking concerning usability and robustness

17 Mar 2016 11:13 - Kurt Gerber

Status:	Closed		**Start date:**	07 Apr 2016
Priority:	High		**Due date:**	29 Apr 2016
Assignee:	Lukas Vonlanthen		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	QCAT Core for UNCCD Testing		**Spent time:**	0.00 hour
Resolution:				

Description

We have two different ID's:$

- ID, which identifies a practice case (either approach, or technology)
- ID to identify a single version of a case.

We use different types of ID's:

- **Postgres SERIAL:**
  - **Advantage:**
  - Postgres can handle it perfectly
  - Uniqueness is handled automatically by db
  - user readible because it is a single number.
  - **Disadvantage:**
  - The ID ist generated in Postgres through an INSERT statement
  - Problematic when data is generated in external or offline applications
  - Only robust in single application setups.

- **WOCAT code**
  - **Advantage:**
  - Human readable
  - different information condensed in one code (Country, config, number)
  - **Disadvantage:**
  - Code has to be generated in the application after a database query looking at existing cases. The workflow is: query -> code generation -> insert in database
  - Thus not very robust in multi user situations
  - Code is generated when questionnaire is written in the database. This could be a problem on long edit sessions.
  - Problematic when data is generated in external or offline applications

- **UUID**
  - **Advantage:**
  - Very robust and approved, when cases are generated in distributed applications
  - UUID can be generated on any application layer: client side, server side application, db
  - **Disadvantage:**
  - Not really usable for human interaction (too long).
  - Therefore can only be used 'in behind the scenes': Backend, API, ...

Subtasks:

Task # 870: Definition of ID rules	**Closed**

History

#1 - 17 Mar 2016 11:19 - Kurt Gerber

- *Target version changed from QCAT v0.8 - First Beta to QCAT v0.9 - Second Beta*

#2 - 07 Apr 2016 10:38 - Kurt Gerber

- *Tracker changed from Task to User Story*

- *Target version changed from QCAT v0.9 - Second Beta to WOCAT core productive release*

- *Start date changed from 31 Mar 2016 to 07 Apr 2016*

#3 - 19 Apr 2016 10:17 - Kurt Gerber

- Target version changed from WOCAT core productive release to QCAT Core for UNCCD Testing

Solution

- UUID will be used for the identification of single cases (single questionnaire case)
- Additionally a human readable code (code) to identify a single case has to be generated.
- The code will be generated when a case is inserted in the database.
- The code will be used for routing to a sepcific single case
- The UUID is authoritative over the code...

#4 - 19 May 2016 10:19 - Lukas Vonlanthen

- Status changed from New to Feedback

#5 - 02 Jun 2016 16:32 - Lukas Vonlanthen

- Status changed from Feedback to Closed

Task 870 was done by commit https://github.com/CDE-UNIBE/qcat/commit/919d74852d166ef4c41709b382957d988e38cb52, therefore closing user story.