Database Requirements

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| REQ No.  1 | Project  Core – Database |

Abstract

| **Rev** | **Date** | **Author** | **Status** |
| --- | --- | --- | --- |
| 1 | 09/21/2015 |  | start |
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Distribution List

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| **Reviewers** | **FYI** |
|  | Ji Lucas |

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# Introduction

AIDR & Micromappers needs to have centralized database to utilize data for dashboard and for performance extension. The current 4 databses will be merged into 1 database to have rich dataset.

# Related Documents/Links/People

References in the text throughout this document appear in square brackets (e.g., [1], [JS]).

| **Reference** | **Document/Link/Person/Application** |
| --- | --- |
|  | MicroMappers http://clickers.micromappers.org/ |
|  | AIDR http://aidr-dev.qcri.org/AIDRFetchManager/ |
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# Glossary

| **Term** | **Definition** |
| --- | --- |
| AIDR |  |
| MicroMappers |  |
|  |  |
|  |  |
|  |  |

# Enhancement Scope

## Goals and Objectives

As one production, we will have one centralized database.

## In Scope

## Out of Scope

## Assumptions

## Constraints

## Dependencies

## Risks

# Requirements

The following subsections define software requirements. Each requirement is labeled as follows:

* **ID.** The unique identifier for the requirement.
* **Requirement.** A clear and concise description of the requirement.
* **Source.** A cross-reference to the source of the requirement.
* **Cat**egory**.** A classification for the requirement using the selections from Table 1.

Table - Requirement Categories

| **Category** | **Description** |
| --- | --- |
| **M**andatory | Required minimum functionality. |
| **O**ptional | Nice to have and will be implemented if time permits. |
| **F**uture | Will not be implemented now but should be considered for a future enhancement. |
| **D**ropped | Requirement determined to be completely out of scope **after** baseline. |
| **E**xisting | Functionality already present in the software (for documentation purposes). |
| **Op**erational | Will not be addressed in the software (documented for training purposes). This requirement should have a related item in the issue list in order to identify an owner. |

## Database

### Database Scope

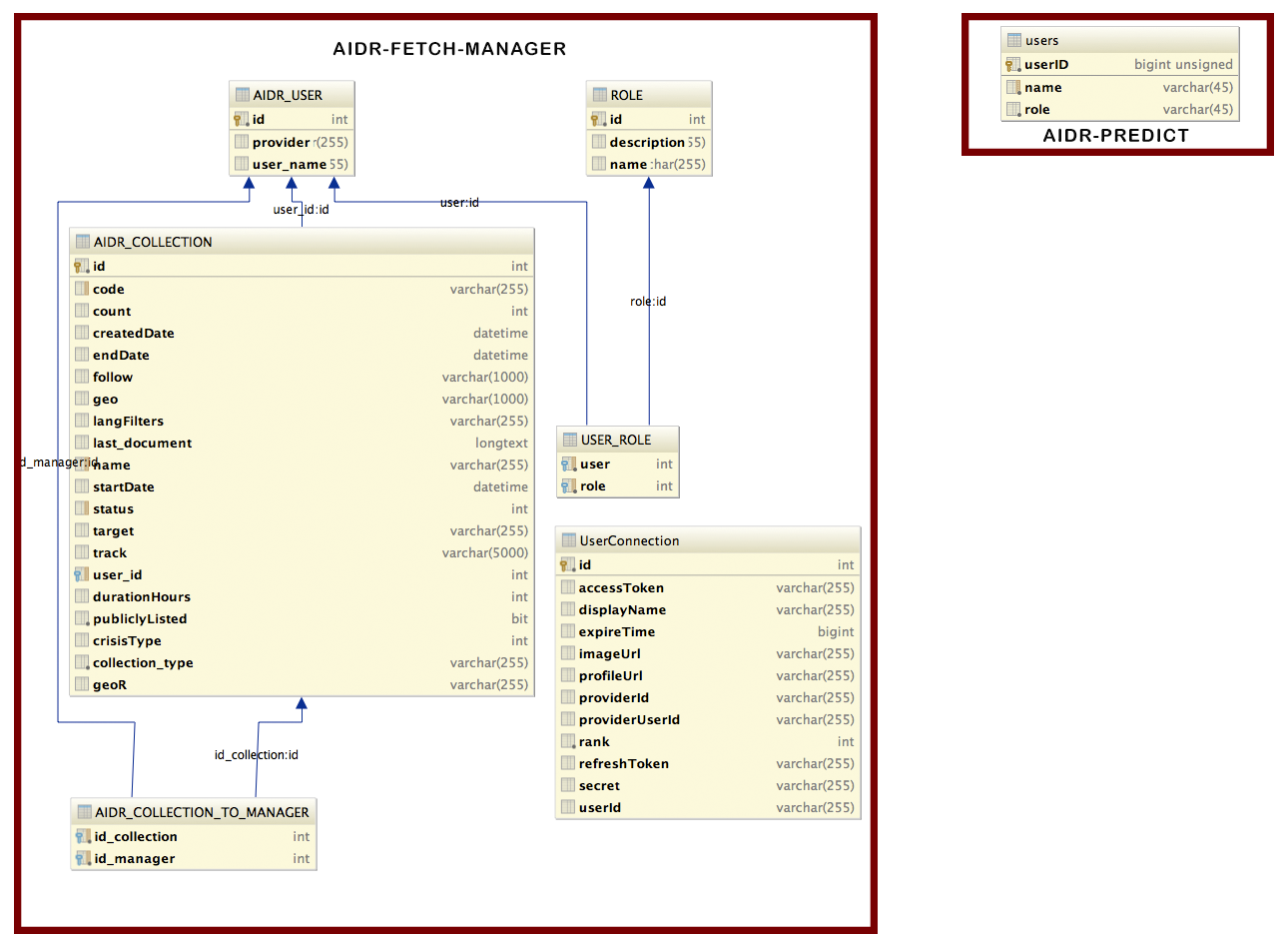
* Merge duplicate tables
* Normalize/de-nomalize tables
* Extension of table field for the future development

### Current Database Schema

* AIDR-Fetch-Manager : data collection/user schema
* AIDR-Predict : data classifier, user, model schema
* AIDR-Analysis : basic low level of tagged info
* AIDR-Scheduler :Pybossa interaction, user reponses. Geo tagged info schema

## Users

### Aidr-fetch-manager user related tables



| **Table** | **Source** |
| --- | --- |
| AIDR\_USER | aidr-fetch-manager |
| USER\_ROLE | aidr-fetch-manager |
| ROLE | aidr-fetch-manager |
| AIDR\_COLLECTION\_TO\_MANAGER | aidr-fetch-manager |
| UserConnection | aidr-fetch-manager |
| users | aidr-predict |

### New user related tables

| **Table** | **Field** | **Old Field** |  | **Database** |
| --- | --- | --- | --- | --- |
| role | role\_id | id | key | aidr-predict |
| role | description |  |  | aidr-predict |
| role | level | name | * admin * normal * qa | aidr-predict |
| role | created | new |  | aidr-predict |
| role | updated | new |  | aidr-predict |

| **Table** | **Field** | **Old Field** |  | **Database** |
| --- | --- | --- | --- | --- |
| aidr\_user | user\_id | id | key | aidr-predict |
| aidr\_user | user\_name | user\_name | unique | aidr-predict |
| aidr\_user | provider | provider |  | aidr-predict |
| aidr\_user | local | new |  |  |
| aidr\_user | api\_key | new | unique |  |
| aidr\_user | created | new |  | aidr-predict |
| aidr\_user | updated | new |  | aidr-predict |

| **Table** | **Field** | **Old Field** |  | **Database** |
| --- | --- | --- | --- | --- |
| user\_role | user\_role\_id | new | key |  |
| user\_role | user\_id | user | key | aidr-predict |
| user\_role | role\_id | role | key | aidr-predict |
| user\_role | created | new |  | aidr-predict |
| user\_role | updated | new |  | aidr-predict |

| **Table** | **Field** | **Old Field** |  | **Database** |
| --- | --- | --- | --- | --- |
| collection\_assocation | crisis\_id | key |  | aidr-predict |
| collection\_ assocation | role\_id | key |  | aidr-predict |
| collection\_ assocation | created |  |  | aidr-predict |
| collection\_ assocation | updated |  |  | aidr-predict |

### New Crisis related tables

| **Table** | **Field** | **Old Field** |  | **Database** |
| --- | --- | --- | --- | --- |
| aidr\_collection | collection\_id | id |  | aidr-predict |
| aidr\_collection | Collection\_code | code |  | aidr-predict |
| aidr\_collection | collection \_name | name |  | aidr-predict |
|  | collection\_type | crisisType |  |  |
|  | current\_count | count |  |  |
|  | create\_date |  |  |  |
|  | start\_date |  |  |  |
|  | end\_date |  |  |  |
|  | follow |  |  |  |
|  | geo |  |  |  |
|  | lang\_filter | langfilter |  |  |
|  | last\_document | lastdocument |  |  |
|  | status |  |  |  |
|  | target |  |  |  |
|  | track |  |  |  |
|  | duration\_hours | durationHours |  |  |
|  | listing\_option | publiclyListed |  |  |
|  | source\_type | collection\_type |  |  |
|  | geo\_option | geoR |  |  |
|  | microMappers\_option | isMicroMapperEnabled |  |  |
|  | trash\_option | isTrashed |  |  |
|  | user\_id |  |  |  |
|  |  |  |  |  |

| **ID** | **Requirement** | **Source** | **Cat** |
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### Data Details

### Sample Data

N/A

## Client Applications

### Scope

### Requirement

## Non-functional

### Security

| **ID** | **Requirement** | **Source** | **Cat** |
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### Testing

| **ID** | **Requirement** | **Source** | **Cat** |
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# Issues/Questions

| **Issue #** | **Issue/Resolution Description** | **Date/Status** |
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# Revision History

Changes to the text of this document are indicated by bars in the outside margin adjacent to the affected text.

| **Date** | **Change Description** |
| --- | --- |
|  | Initial draft. |
|  |  |
|  |  |
|  |  |