Evolve Limited

Process Flow Document: Database Design

Project: **ZPPA Red flags dashboard**
Client: **ZPPA**

Preliminary base entities and the corresponding attributes (to be assessed)

1

```
Country
---------------------------------
|    |               Country |
---------------------------------
|  1 |       country_id (pk) |
|  2 |               code    |
|  3 |               name    |
|  4 |           currency    |
|  5 |               flag    |
|  6 |       coat_of_arms    |
---------------------------------
```

2

```
Fiscal_year
-----------------------------------
|    |            Fiscal_year |
-----------------------------------
|  1 |       fiscal_year_id (pk) |
|  2 |           start_date      |
|  3 |             end_date      |
|  4 |                 name      |
|  5 |           description     |
-----------------------------------
```

3

```
Configuration
-----------------------------------
|    |            Configuration |
-----------------------------------
|  1 |       configuration_id (pk) |
|  2 |                 name        |
|  3 |           description       |
|  4 |                 value       |
-----------------------------------
```

4

Red_flag

```
-------------------------------
|     |             Red_flag |
-------------------------------
|  1  |      red_flag_id (pk) |
|  2  |              name     |
|  3  |          description  |
-------------------------------
```

5

Illicit_scheme

```
-------------------------------------
|     |              Illicit_scheme |
-------------------------------------
|  1  |      illicit_scheme_id (pk) |
|  2  |                    name     |
|  3  |               description   |
-------------------------------------
```

6

Procurement_stage

```
-----------------------------------------
|     |              Procurement_stage |
-----------------------------------------
|  1  |      procurement_stage_id (pk) |
|  2  |                       name     |
|  3  |                  description   |
-----------------------------------------
```

7

Submission

```
-----------------------------------------------
|     |                          Submission |
-----------------------------------------------
|  1  |                    submission_id (pk) |
|  2  |                          name         |
|  3  |                       description      |
|  4  |      reception_date_and_time          |
|  5  |         cut_off_date_and_time         |
-----------------------------------------------
```

8

Procurement_type

```
-----------------------------------------
|     |              Procurement_type |
-----------------------------------------
|  1  |      procurement_type_id (pk) |
|  2  |                    code       |
|  3  |                    name       |
|  4  |               description     |
-----------------------------------------
```

9

Procurement_method

```
------------------------------------------
|     |           Procurement_method |
------------------------------------------
|  1 |      procurement_method_id (pk) |
|  2 |                           code |
|  3 |                           name |
|  4 |                    description |
------------------------------------------
```

10

Bid

```
--------------------------------------
|     |                        Bid |
--------------------------------------
|  1 |               bid_id (pk) |
|  2 |          submission_date |
|  3 |                   amount |
|  4 |        extra_information |
--------------------------------------
```

11

Item

```
------------------------------
|     |                Item |
------------------------------
|  1 |        item_id (pk) |
|  2 |               code |
|  3 |               name |
|  4 |          unit_cost |
|  5 |        description |
------------------------------
```

12

Procuring_entity

```
------------------------------------------
|     |             Procuring_entity |
------------------------------------------
|  1 |        procuring_entity_id (pk) |
|  2 |                           name |
|  3 |                 tax_identifier |
|  4 |           tax_identifier_value |
------------------------------------------
```

13

Supplying_entity

```
----------------------------------------
|     |               Supplying_entity |
----------------------------------------
|   1 |        supplying_entity_id (pk) |
|   2 |                            name |
|   3 |                  tax_identifier |
|   4 |            tax_identifier_value |
----------------------------------------
```

14

Address

```
----------------------------------
|     |                 Address |
----------------------------------
|   1 |          address_id (pk) |
|   2 |                  country |
|   3 |           address_line_1 |
|   4 |           address_line_2 |
|   5 |           address_line_3 |
|   6 |           address_line_4 |
|   7 |           address_line_5 |
|   8 |           address_line_6 |
|   9 |           address_line_7 |
|  10 |           address_line_8 |
|  11 |           address_line_9 |
|  12 |                  x_coord |
|  13 |                  y_coord |
|  14 |                   status |
|  15 |              description |
----------------------------------
```

15

Tender

```
--------------------------------
|     |                Tender |
--------------------------------
|   1 |         tender_id (pk) |
|   2 |                   name |
|   3 |            description |
|   4 |                 budget |
--------------------------------
```

16

Attachment

```
--------------------------------
|     |            Attachment |
--------------------------------
|   1 |       attachment_id (pk) |
|   2 |                   type |
|   3 |                   name |
|   4 |            description |
|   5 |                   link |
--------------------------------
```

17

Contract

```
------------------------------
|   |              Contract |
------------------------------
|  1 |      contract_id (pk) |
|  2 |              title    |
|  3 |          description  |
|  4 |             amount    |
------------------------------
```

18

Award

```
------------------------------
|   |                 Award |
------------------------------
|  1 |          award_id (pk) |
|  2 |         is_accepted    |
|  3 |         date_replied   |
|  4 |         reply_reason   |
|  5 |         award_amount   |
------------------------------
```

19

Contact

```
------------------------------
|   |               Contact |
------------------------------
|  1 |        contact_id (pk) |
|  2 |             name       |
|  3 |             value      |
|  4 |             status     |
------------------------------
```

20

Fee

```
--------------------------
|   |               Fee |
--------------------------
|  1 |        fee_id (pk) |
|  2 |           code     |
|  3 |           name     |
|  4 |          amount    |
--------------------------
```

21

Fee_type
```
-------------------------------
|    |              Fee_type |
-------------------------------
|  1 |       fee_type_id (pk) |
|  2 |               code     |
|  3 |               name     |
-------------------------------
```

22

Payment
```
---------------------------------
|    |               Payment |
---------------------------------
|  1 |        payment_id (pk) |
|  2 |        date_received   |
|  3 |               amount   |
---------------------------------
```

23

Alert
```
-------------------------------
|    |                 Alert |
-------------------------------
|  1 |           alert_id (pk) |
|  2 |             subject     |
|  3 |           description   |
-------------------------------
```

24

Alert_authority
```
---------------------------------------
|    |              Alert_authority |
---------------------------------------
|  1 |      alert_authority_id (pk) |
|  2 |                  name        |
---------------------------------------
```

25

Alert_level
```
---------------------------------
|    |             Alert_level |
---------------------------------
|  1 |        alert_level_id (pk) |
|  2 |                name        |
---------------------------------
```

Appeal

```
-------------------------------
|     |                Appeal |
-------------------------------
|  1  |        appeal_id (pk) |
|  2  |          subject      |
|  3  |        description    |
-------------------------------
```