

# Story Components

Plenty of opportunity for normalisation.

The initial plan upon returning was to change the original db schema into smaller tables containing JSON columns for the components and just the ids stored as ints. This was to support the rapidly changing data being stored as the project developed and avoid the need for DB changes as the JSON objects could be stored, extended and queried.

However raptor's version of MySQL (5.5.55) was too old to support native JSON columns so this was abandoned and the tables grew.

| action                    |
|---------------------------|
| + <u>ac_id</u> : int(11)  |
| + brief: varchar(255)     |
| + long_desc: varchar(500) |
| + tone: varchar(50)       |
| + consequence: int(11)    |
| FK action_consequence     |
| con_id                    |

| action_consequence        |
|---------------------------|
| + <u>con_id</u> : int(11) |
| + ac_id FK                |
| + brief: varchar(255)     |
| + long_desc: varchar(500) |
| + tone: varchar(50)       |
| + c1_es: int(11)          |
| + c2_es: int(11)          |
| + c1_es_desc: varchar(50) |
| + c2_es_desc: varchar(50) |
| + is_dead: varchar(50)    |
| + invert_c1_c2: int(1)    |
| + solo_action: int(1)     |

The action and event tables are decoupled from their consequences but connected via foreign key.

This allows for their relationship to be ignored and consequences matched up with unmatched events/actions but preserves the initial integrity of the table and facilitates normal matching up of event/action->consequence.

| event                       |
|-----------------------------|
| + <u>event_id</u> : int(11) |
| + brief: varchar(255)       |
| + long_desc: varchar(500)   |
| + tone: varchar(50)         |
| + consequence: int(11)      |
| FK event_consequence        |
| con_id                      |

| event_consequence         |
|---------------------------|
| + <u>con_id</u> : int(11) |
| + event_id FK             |
| + brief: varchar(255)     |
| + long_desc: varchar(500) |
| + tone: varchar(50)       |

| location                   |
|----------------------------|
| + <u>locc_id</u> : int(11) |
| + name: varchar(255)       |
| + brief: varchar(255)      |
| + long_desc: varchar(500)  |