DATABASE FORMAT FOR QUALITY METRIC STORAGE

For integration with web viewer and connector scripts set up the database as follows:

*For this project the database was set up in AWS using the RDS service although any MySQL database can be integrated as follows.

```
CREATE TABLE final_tblv2(
 entry_id INT NOT NULL AUTO_INCREMENT,
 status_on BOOL NOT NULL,
 stream_id VARCHAR(20) NOT NULL,
 location_id VARCHAR(20) NOT NULL,
 bitrate float,
 framerate float,
 resolution float,
 avg_blockiness float,
 max_blockiness float,
 min_blockinessfloat,
 avg_blur float,
 max_blur float,
 min_blur float,
 avg_contrast float,
 max_contrast float,
 min_contrast float,
 avg_color float,
 max_color float,
 min_color float,
 avg_ltp float,
 max_ltp float,
 min_ltp float,
 avg_noise float,
```

```
max_noise float,
min_noise float,
avg_brisque float,
max_brisque float,
min_brisque float,
avg_flicker float,
avg_flickering_agh float,
avg_blockiness_agh float,
avg_letterBox_agh float,
avg_pillarBox_agh float,
avg_blockloss_agh float,
avg_blur_agh float,
avg_blackout_agh float,
avg_freezing_agh float,
avg_exposure_agh float,
avg_contrast_agh float,
avg_interlace_agh float,
avg_noise_agh float,
avg_si_agh float,
avg_ti_agh float,
quality_estimate float,
log_string TEXT,
PRIMARY KEY (entry_id)
);
```

*Depending on the size of streams being processed “log_string TEXT” can be changed to MEDIUMTEXT or above to support more history