

## Appendix 1- MySQL Database Description & Schema

This appended document is intended to provide supporting technical information regarding the MySQL database used throughout the project.

### Database Version & Hosting

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The database used throughout the project is **davidh\_finalyearproject**

The version of MySQL used is: **5.5.35-cll MySQL Community Server (GPL)** developed by Oracle.

It is hosted privately on the server at **dave-harrison.com**, with access from the user account **davidh\_fyp**

### Tables

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The following tables exist within **davidh\_finalyearproject**

Tables_in_davidh_finalyearproject
classifying
json_cache
other_identities
other_reasons
tweet_mentions
tweet_tag_count
tweet_tags
tweet_urls
tweets
users

The table descriptions below are generated using the MySQL command:

```
describe [table name];
```

## Tables created by the 140dev Framework

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**Table: json\_cache**

```
mysql> describe json_cache;
```

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO	MUL	NULL	auto_increment
cache_id	int(10) unsigned	NO	PRI	NULL	
cache_date	timestamp	NO	MUL	CURRENT_TIMESTAMP	
raw_tweet	text	NO		NULL	

```
4 rows in set
```

**Table: tweets**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO	PRI	NULL	
tweet_text	varchar(160)	NO	MUL	NULL	
created_at	datetime	NO	MUL	NULL	
geo_lat	decimal(10,5)	YES		NULL	
geo_long	decimal(10,5)	YES		NULL	
user_id	bigint(20) unsigned	NO	MUL	NULL	
screen_name	char(20)	NO	MUL	NULL	
name	varchar(20)	YES	MUL	NULL	
profile_image_url	varchar(200)	YES		NULL	
is_rt	tinyint(1)	NO		NULL	
TeachingGroup	int(11)	YES		NULL	

Note: the field “TeachingGroup” was added as part of the project, as discussed in the main report.

**Table: tweet\_mentions**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO	MUL	NULL	
source_user_id	bigint(20) unsigned	NO	MUL	NULL	
target_user_id	bigint(20) unsigned	NO	MUL	NULL	

3 rows in set

**Table: users**

Field	Type	Null	Key	Default	Extra
user_id	bigint(20) unsigned	NO	PRI	NULL	
screen_name	varchar(20)	NO	MUL	NULL	
name	varchar(20)	YES	MUL	NULL	
profile_image_url	varchar(200)	YES		NULL	
location	varchar(30)	YES		NULL	
url	varchar(200)	YES		NULL	
description	varchar(200)	YES	MUL	NULL	
created_at	datetime	NO		NULL	
followers_count	int(10) unsigned	YES		NULL	
friends_count	int(10) unsigned	YES		NULL	
statuses_count	int(10) unsigned	YES		NULL	
time_zone	varchar(40)	YES		NULL	
last_update	timestamp	NO	MUL	CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP

13 rows in set

**Table: tweet\_tags**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO	MUL	NULL	
tag	varchar(100)	NO	MUL	NULL	

2 rows in set

**Table: tweet\_urls**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO	MUL	NULL	
url	varchar(140)	NO	MUL	NULL	

2 rows in set

## Tables added specifically for this project

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**Table: classifying**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20) unsigned	NO		NULL	
identity	varchar(140)	YES		NULL	
tweet_type	varchar(140)	YES		NULL	
reason	varchar(140)	YES		NULL	
opinion	varchar(140)	YES		NULL	

5 rows in set

**Table: other identities**

Field	Type	Null	Key	Default	Extra
tweet_id	int(20)	YES		NULL	
identity_type	varchar(50)	YES		NULL	
identity_other	varchar(140)	YES		NULL	

3 rows in set

**Table: other\_reasons**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20)	YES		NULL	
reason_other	varchar(140)	YES		NULL	

2 rows in set

**Table: tweet\_tag\_count**

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(20)	YES		NULL	
counter	int(11)	YES		0	

2 rows in set

**Table: words\_followed**

mysql> describe words\_followed;

Field	Type	Null	Key	Default	Extra
freq	int(11)	YES		NULL	
word	varchar(50)	YES		NULL	

2 rows in set

**Table: evalauation\_set**

```
mysql> describe evaluation_set;
```

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(25)	NO	PRI	0	
count_shown	int(11)	YES		0	
count_evaluated	int(11)	YES		0	
real_ident	varchar(250)	YES		NULL	
real_type	varchar(250)	YES		NULL	
real_reason	varchar(250)	YES		NULL	
real_opinion	varchar(250)	YES		NULL	

7 rows in set

**Table: evaluation**

```
mysql> describe evaluation;
```

Field	Type	Null	Key	Default	Extra
tweet_id	bigint(25)	YES		NULL	
guessed_identity	varchar(250)	YES		NULL	
identity_correct	varchar(250)	YES		NULL	
guessed_type	varchar(250)	YES		NULL	
type_correct	varchar(250)	YES		NULL	
guessed_reason	varchar(250)	YES		NULL	
reason_correct	varchar(250)	YES		NULL	
guessed_opinion	varchar(250)	YES		NULL	
opinion_correct	varchar(250)	YES		NULL	

9 rows in set