Database & Programming Assignment

Unit 38 & Unit 20

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HND in Computing & Systems Development

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1 Introduction and Background

There are now many web sites or apps which offer local news and advertising on peoples' phones and tablets and a growing number of national sites where you can search for specialists to carry out particular domestic or commercial work e.g. checkatrade, mybuilder etc

Many of the news sites are painfully dominated by random advertising and none of the news or listings sites can claim to offer anything remotely comprehensive across a range of information requirements.

The proposed application, initially to be developed as a mobile friendly web site although it could later be converted to an app, aims to address these issues with a stronger local focus and comprehensive information content independent of advertising.

It is believed that the combination of comprehensive content and local relevance will engage widespread use and enable a variety of sponsorship plans to secure financial viability.

2 Project Definition and Scope

2.1 Project Brief

To develop a news led, locally focussed application to satisfy the local information needs of the population at large, businesses, community groups and other organisations.

This will be achieved by collating a comprehensive database of businesses, services, community groups and facilities freely accessible to all and enabling widespread posting of relevant additional information such as events, offers and vacancies.

2.2 Scope

2.2.1 Local

The expectation is to satisfy the needs of a population within something approximating to a current UK administrative "district" but to do so by collating information from a wider area including adjacent districts and some selected information at county level or from nearby major conurbations or even nationally if considered relevant to a local interest.

2.2.2 Business Focussed

Since much of the content will relate to local businesses it is absolutely paramount that this can be presented in a way to fulfil appropriate business needs assisting businesses to gain customers, sales or staff where relevant.

2.2.3 Community Focussed

To bring forward information on clubs, groups and other community facilities and activities that can be overlooked by other web sites where payment is required for listings.

2.2.4 Personally Focussed

Providing an ability for users to personalise their view of the content, to contribute local news or personal announcements and to comment widely throughout the system including comments on comments!

2.2.5 Created by Local Input

Whilst initial content will be input directly into the system, postings, additions and updates will be through user and organisation engagement. Postings can be made by anyone (subject to their completion of basic profile details) but it is also envisaged the external "editors" can be appointed to "manage" content in key places in the system e.g. sports or gigs. Manage means to keep content topical, remove duplicates and maintain content quality.

3 UX/UI

Whilst much of the more detailed input is most likely to be managed through businesses and individuals with computer desktops and notebooks, generally users will be accessing the system through mobiles and tablets alone so a mobile first strategy for UX/UI is essential.

Further feasibility work needs to be done on data availability and management before exposing UX/UI to users so the visual ideas for UX/UI contained in Appendix I are just outline thoughts at this stage.

4 Use Cases

A **use case** is a description of how a person who actually **uses** that process or system will accomplish a goal.

In connection with the "Local Pages" proposed site there is no complicated processing so all users are either viewing content on the site or adding to or amending content on the site. There is also a cross system ability to comment on content or make comments about comments.

A full breakdown of possible use cases is shown in Appendix II together with some examples of these use cases in practice.

5 Data Flow Diagrams (DFD's)

6 Platform Issues

6.1 Information System

MySQL is to be used for data storage

6.2 System Availability

The system is available to all users without pre-registration.

6.3 Registration

This is required to enable entries to be made but also then enables a "My Local Pages" features simplifying the menu system to just those options wanted by the user.

6.4 System Roles

Most users will not have a defined role within the system other than to be unregistered or registered but it is envisaged that differing privileges can be granted to those with a completed profile or those who have been allocated a specific shared or exclusive ongoing task like editing the sports news.

6.5 Simplicity and Complexity

The system has been kept relatively simple in architecture enabling categorisation by type, images and galleries and commenting by users to be available throughout. Part of this framework is treating everything other than adding an individual or organisation as a transactional event called a post. A post can be tailored to a particular function and may be associated (or not) with an organisation rather than just an individual but it has an owner, a date from which it will appear on the system and a date when it will no longer be available on the system enabling easy system maintenance to occur on a periodic basis.

6.6 Deletion

No entries are automatically deleted from the system and whilst there are built in constraints (within the MySQL engine) to prevent inadvertent deletions occurring during routine system management, all data entered by users can be disabled so that it is no longer visible. A periodic process can then be carried out under controlled conditions to remove disabled records that have then fully expired.

7 Database

As stated previously MySQL is to be used for data storage initially within a single database of 33 tables. A list of these tables and their function is contained in Appendix IV. The version of MySQL used is v8.0.18 enabling higher levels of security to be applied than was the case for earlier versions.

An Entity Relationship Diagram (ERD) is available as Appendix V showing these tables with associated fields and links between tables through the use of Foreign Keys.

Use of the InnoDB engine for MySQL has enabled Foreign Key Constraints to be added to the database preventing inadvertent system damage being caused by “parent” records being deleted when “child” records are still in use. A full sql creation script for the Local-Pages database is provided ad Appendix VI which details these constraints.

Appendix I

Local Pages for Long Eaton and Surrounding Area June 2020

- LOCAL NEWS
- BUSINESS LISTINGS
- CLUBS
- COMMUNITY GROUPS
- ANNOUNCEMENTS
- VACANCIES
- EVENTS
- TRADES NEEDED
- OFFERS
- SALES & WANTS
- WALK & CYCLE ROUTES
- REGISTER / UPDATE PROFILE
- MAKE POSTINGS
- CONTACT US
- KEYWORD SEARCH

Enter keyword to search

Local Pages for Long Eaton and Surrounding Area

June 2020

- LOCAL NEWS
- BUSINESS LISTINGS
- CLUBS
- COMMUNITY GROUPS
- ANNOUNCEMENTS
- VACANCIES
- EVENTS
- TRADES NEEDED
- OFFERS
- SALES & WANTS
- WALK & CYCLE ROUTES
- REGISTER / UPDATE PROFILE
- MAKE POSTINGS
- CONTACT US

Appendix II

To view listings and postings

To add or change listings and postings

Registration & Profile

To comment on listings and postings

Registration & Profile

Business Listings
Community Listings

Personal Announcements
Business Announcements
Community Announcements

Vacancies offerred
Vacancies wanted

Business Events
Community Events
Music Gigs
Sports Events

Trades Needed

Business Offers

Walk and Bike Routes

Goods for Sale
Goods Wanted

Business Listings
Community Listings

Personal Announcements
Business Announcements
Community Announcements

Vacancies offerred
Vacancies wanted

Business Events
Community Events
Music Gigs
Sports Events

Trades Needed

Business Offers

Walk and Bike Routes

Goods for Sale
Goods Wanted

Business Listings
Community Listings

Personal Announcements
Business Announcements
Community Announcements

Vacancies offerred
Vacancies wanted

Business Events
Community Events
Music Gigs
Sports Events

Trades Needed

Business Offers

Walk and Bike Routes

Goods for Sale
Goods Wanted

Use Case: **No 01**

Subject: **Viewing company listings**

Actor: **General Public**

Reason: **Find supplier or service**

Pre-conditions: **None**

Description: **To access business information in the system by supplier / service type e.g. plumber, toy shop, restaurant, café, car dealer etc etc.**

Steps:

1. Access Local-Pages site

2. Select Business Listings

3. Select between Main Headings i.e.

- **Auto & Bike**
- **Food**
- **Buildings & Homes**

4. Select specific Trade type / Service type required

e.g. Plumber

5. Review list and details

6. Make contact if relevant. (direct email link via contact form)

Shortcut: **Direct keyword search from home screen e.g. Plumber**

Use Case: **No 02**

Subject: **Find details of music gigs**

Actor: **General Public**

Reason: **Find details of music events in the locality**

Pre-conditions: **None**

Description: **To find details of upcoming music events together with price and venue information and book tickets if relevant.**

Steps:

1. Access Local-Pages site

2. Select Events Listings

3. Select between Event Types i.e.

- **Business Events**
- **Community Events**
- **Sports Events**
- **Music Events**

4. Review list and details

5. Make contact if relevant. (direct email link via contact form) or book ticket via Paypal if available

Shortcut: **Direct keyword search from home screen e.g. name of band or venue or search for music events.**

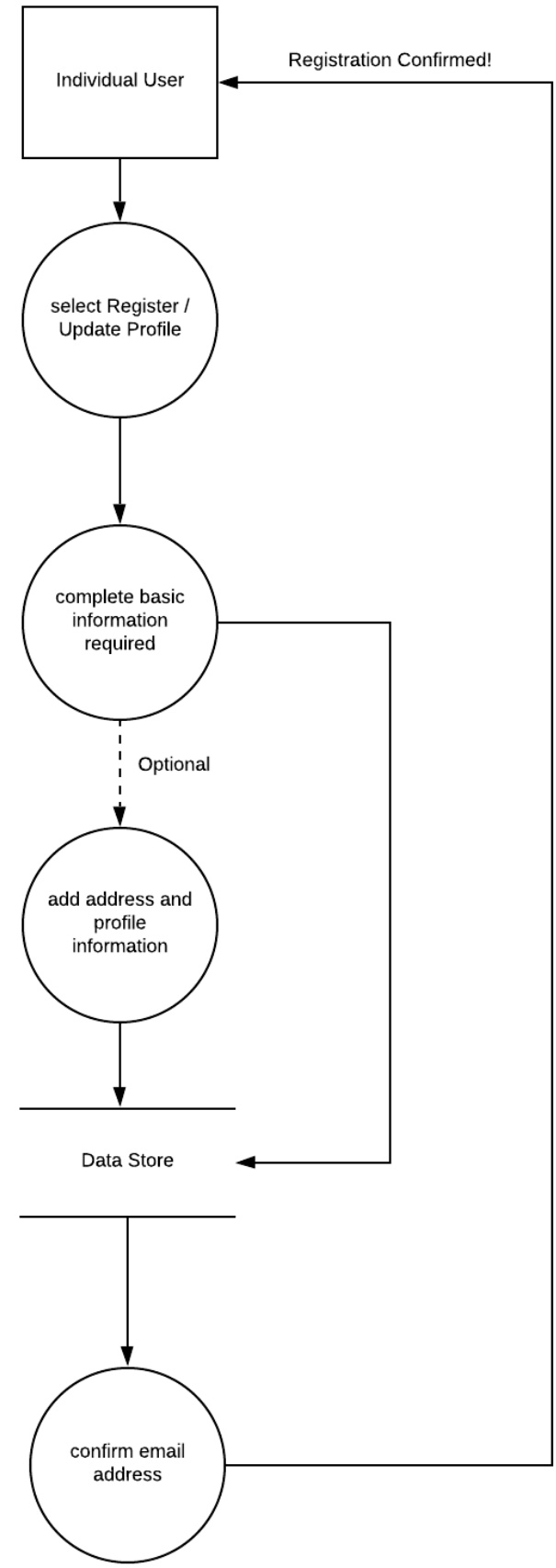
Use Case:	**No 03**
Subject:	**Add business listing**
Actor:	**Business Owner**
Reason:	**Want their business to appear in listings and postings.**
Pre-condition:	**Need to be a registered user.**
Description:	**Any registered user can add business or other organisational information to the system.**
Steps:	**1. Access Local-Pages site** **2. Login or register if not already done so.** **3. Select "ADD POSTINGS AND LISTINGS" which will show any organisations with which the user is currently associated (and self) to which can then be added additional organisations.** **4. Review existing to prevent duplicates and if relevant select "ADD BUSINESS LISTING" to proceed.** **5. Complete business profile information which will return to the list of associated organisations from where additional organisations can be added or postings created.** **NOTE: A listing is a business, club, community or other organisation which is permanently available on the system until removed. A posting is a temporary transactional entry associated with a registered user or organisation e.g. an event.**
Shortcut:	**Direct keyword search from home screen e.g. add business**

Use Case:	**No 04**
Subject:	**Add an offer.**
Actor:	**Business Owner**
Reason:	**Want to highlight a current offer available from their business.**
Pre-conditions:	**Must be a registered user with a business already set up on the system.**
Description:	**Businesses often promote what they do with offers of one sort or another. This is how to add them to the system.**
Steps:	**1. Access Local-Pages site** **2. Login if not already done so.** **3. Select "ADD POSTINGS AND LISTINGS" which will show any organisations with which the user is currently associated (and self) to which can then be added additional organisations.** **4. Select the organisation for which an offer is required and make a posting of type "offer".** **5. When details are completed the offer will be displayed to the general public in the offers section with links back to the business with contact details including direct contact via an email contact form.** **NOTE: A listing is a business, club, community or other organisation which is permanently available on the system until removed. A posting is a temporary transactional entry associated with a registered user or organisation e.g. an event.**
Shortcut:	**Direct keyword search from home screen e.g. add offer**

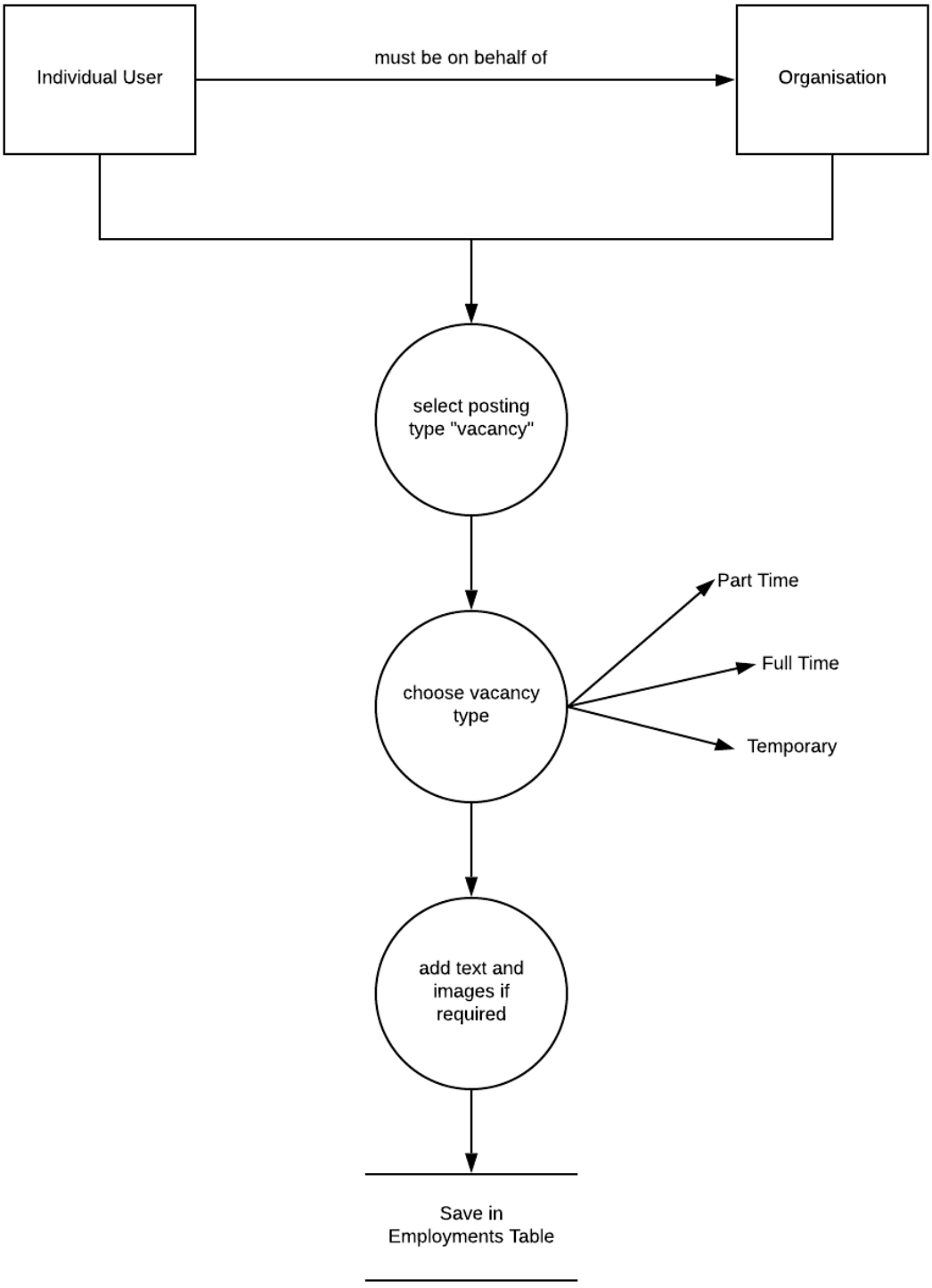
Use Case:	**No 05**
Subject:	**Become a registered user.**
Actor:	**Anyone**
Reason:	**Want to make entries on the system or personalise their view.**
Pre-conditions:	**None**
Description:	**Most people are a little wary of registration for online systems so no reasons to push it unless they want to make listings or postings or personalise their view.**
Steps:	**1. Access Local-Pages site** **2. Select the option to register /update profile.** **3. If not already logged in this will take you to a register / login screen.** **4. If you don't take the login option, you will then be prompted for details of name, email address and password which is all that are needed to register.** **5. When details are completed, you will be invited to complete profile details which will aid in personalisation of searches and you will be given the chance to personalise initial menus for when you are logged in.**
Shortcut:	**Direct keyword search from home screen e.g. register**

Appendix III

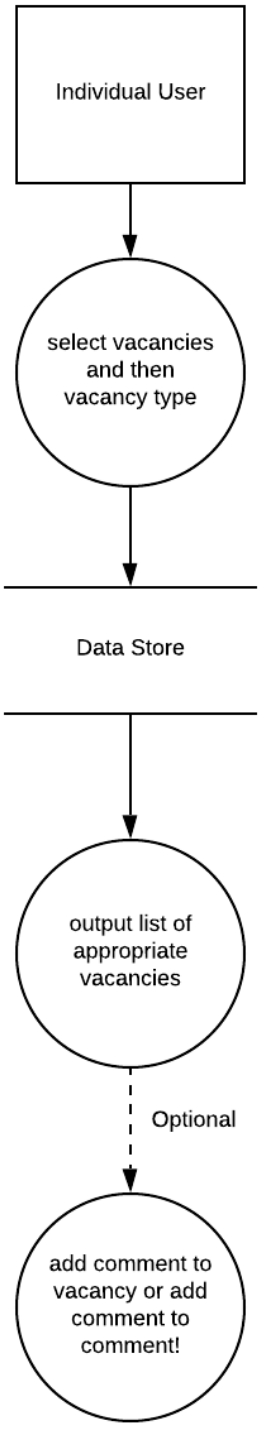
User Registration



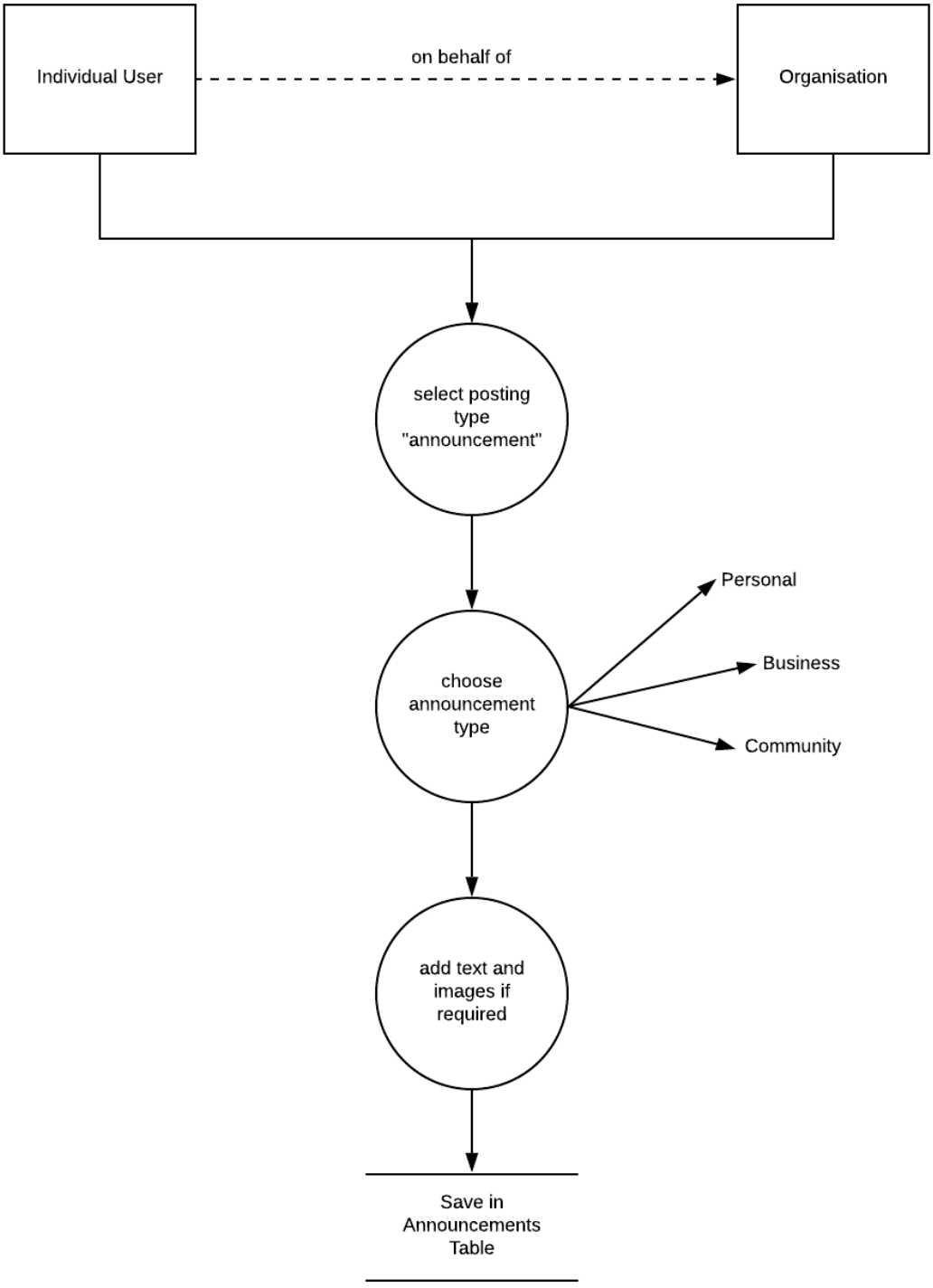
Adding Vacancies Offerred



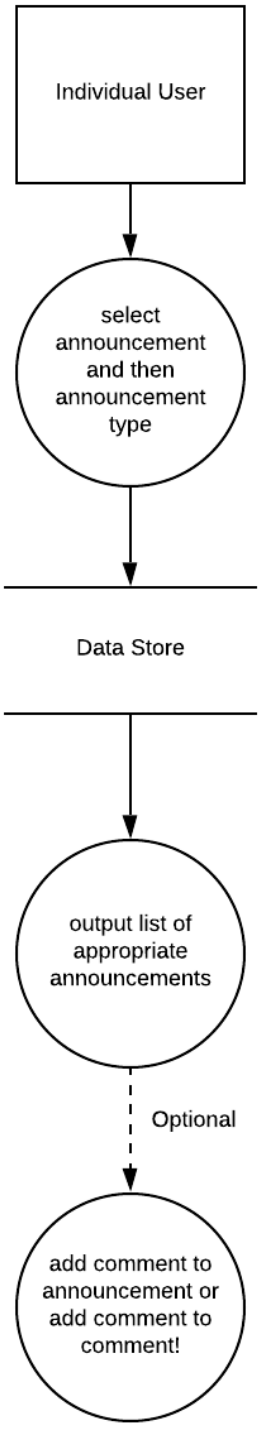
Viewing
Vacancies Offerred



Making Announcements



Viewing Announcements

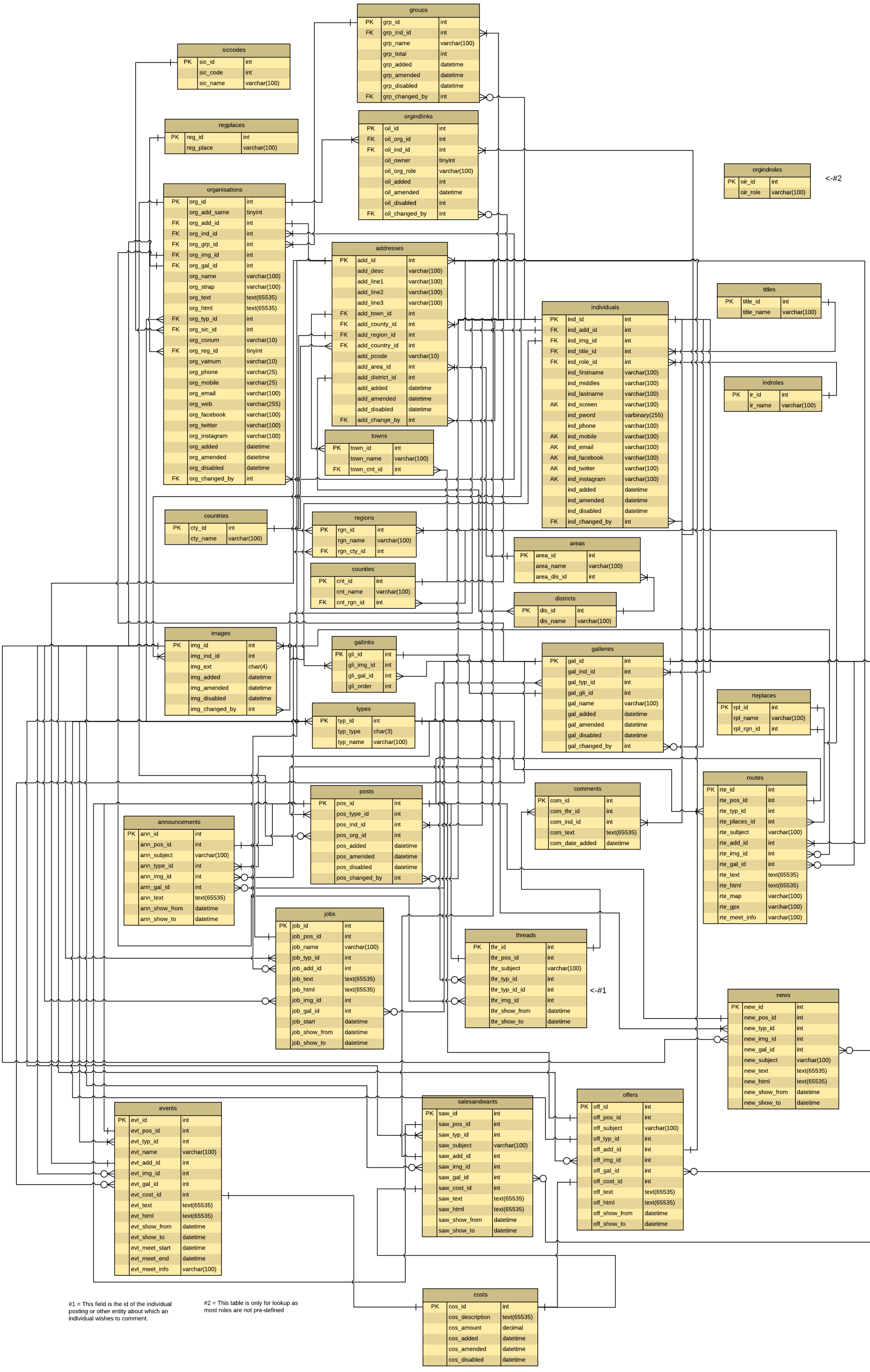


Appendix IV

Information about Individuals Who Register on the System	
individuals	basic details about individuals
indroles	role within use of the system i.e. none/contributor/editor/administrator
titles	Mr/Mrs etc
Information about Organisations Held by the System	
organisations	basic details about organisations
orgindroles	roles of individuals within organisations
orgindlinks	link table to add organistions to individuals and individuals to organisations
groups	link table for groups of organisations
regplaces	company registration information
siccodes	siccodes
Information about Locations Used Throughout the System	
addresses	
areas	used within addresses
towns	used within addresses
districts	used within addresses
counties	used within addresses
regions	used within addresses
countries	used within addresses
Information about Posts Which can be Made on the System	
posts	link table to link all posts to individuals and organisations
announcements	announcements made by contributors
threads	comments and responses to comments made by contributors
employments	work offerred or wanted
events	events of all type, commercial and community
jobs	jobs required to be done e.g. buidling, plumbing etc
news	all news under a variety of different types e.g. sport, music, school
offers	this is a way for organisations to make online offers
routes / rteplaces	a collection of walk, run and bike routes, anything to do with maps
salesandwants	normal for sale or wanted under a variety of headings
Information Used Throughout the System	
types	table providing lists of types for almost every other table in the system
galleries / gallinks	galleries of pictures for attaching to organisation and posting details
images	images used individually or within galleries
costs	a breaking out of financial information from posts to monitor and control it more effectively

Appendix V

Entity Relationship Diagram (ERD) for MySQL database local_pages



Appendix VI

```
-- phpMyAdmin SQL Dump
-- version 4.9.2
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1:3306
-- Generation Time: May 27, 2020 at 02:39 PM
-- Server version: 8.0.18
-- PHP Version: 7.3.12

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `peakacti_local_pages`
--

-- --------------------------------------------------------

--
-- Table structure for table `addresses`
--

DROP TABLE IF EXISTS `addresses`;
CREATE TABLE IF NOT EXISTS `addresses` (
  `add_id` int(11) NOT NULL AUTO_INCREMENT,
  `add_desc` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `add_line1` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `add_line2` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `add_line3` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `add_town_id` int(11) NOT NULL,
  `add_county_id` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `add_region_id` int(11) NOT NULL,
  `add_country_id` int(11) NOT NULL,
  `add_pcode` varchar(10) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `add_area_id` int(11) DEFAULT NULL,
  `add_district_id` int(11) DEFAULT NULL,
  `add_added` datetime NOT NULL,
  `add_amended` datetime NOT NULL,
  `add_disabled` datetime DEFAULT NULL,
  `add_change_by` int(11) NOT NULL,
  PRIMARY KEY (`add_id`),
  KEY `add_disabled` (`add_disabled`),
  KEY `add_pcode` (`add_pcode`),
  KEY `add_change_by` (`add_change_by`),
  KEY `add_town_id` (`add_town_id`),
  KEY `add_county_id` (`add_county_id`),
  KEY `add_region_id` (`add_region_id`),
  KEY `add_area_id` (`add_area_id`),
  KEY `add_district_id` (`add_district_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `announcements`
--

DROP TABLE IF EXISTS `announcements`;
CREATE TABLE IF NOT EXISTS `announcements` (
  `ann_id` int(11) NOT NULL AUTO_INCREMENT,
```

```
  `ann_pos_id` int(11) NOT NULL,
  `ann_subject` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `ann_type_id` int(11) NOT NULL,
  `ann_img_id` int(11) NOT NULL,
  `ann_gal_id` int(11) NOT NULL,
  `ann_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `ann_show_from` datetime NOT NULL,
  `ann_show_to` datetime NOT NULL,
  PRIMARY KEY (`ann_id`),
  KEY `ann_pos_id` (`ann_pos_id`),
  KEY `ann_type_id` (`ann_type_id`),
  KEY `ann_img_id` (`ann_img_id`),
  KEY `ann_gal_id` (`ann_gal_id`),
  KEY `ann_show_index` (`ann_type_id`,`ann_show_from`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `areas`
--

DROP TABLE IF EXISTS `areas`;
CREATE TABLE IF NOT EXISTS `areas` (
  `area_id` int(11) NOT NULL AUTO_INCREMENT,
  `area_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `area_dis_id` int(11) NOT NULL,
  PRIMARY KEY (`area_id`),
  KEY `area_dis_id` (`area_dis_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `comments`
--

DROP TABLE IF EXISTS `comments`;
CREATE TABLE IF NOT EXISTS `comments` (
  `com_id` int(11) NOT NULL AUTO_INCREMENT,
  `com_thr_id` int(11) NOT NULL,
  `com_ind_id` int(11) NOT NULL,
  `com_text` text COLLATE utf8_unicode_ci NOT NULL,
  `com_added` datetime NOT NULL,
  PRIMARY KEY (`com_id`),
  KEY `com_thr_id` (`com_thr_id`),
  KEY `com_ind_id` (`com_ind_id`),
  KEY `com_thread_index` (`com_thr_id`,`com_added`) USING BTREE
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `costs`
--

DROP TABLE IF EXISTS `costs`;
CREATE TABLE IF NOT EXISTS `costs` (
  `cos_id` int(11) NOT NULL AUTO_INCREMENT,
  `cos_description` text CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `cos_amount` decimal(10,2) DEFAULT NULL,
  `cos_added` datetime NOT NULL,
  `cos_amended` datetime NOT NULL,
  `cos_disabled` datetime NOT NULL,
  PRIMARY KEY (`cos_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------
```

```
--
-- Table structure for table `counties`
--

DROP TABLE IF EXISTS `counties`;
CREATE TABLE IF NOT EXISTS `counties` (
  `cnt_id` int(11) NOT NULL AUTO_INCREMENT,
  `cnt_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `cnt_rgn_id` int(11) NOT NULL,
  PRIMARY KEY (`cnt_id`),
  KEY `cnt_region_id` (`cnt_rgn_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `countries`
--

DROP TABLE IF EXISTS `countries`;
CREATE TABLE IF NOT EXISTS `countries` (
  `cty_id` int(11) NOT NULL AUTO_INCREMENT,
  `cty_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`cty_id`),
  KEY `cty_name` (`cty_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `districts`
--

DROP TABLE IF EXISTS `districts`;
CREATE TABLE IF NOT EXISTS `districts` (
  `dis_id` int(11) NOT NULL AUTO_INCREMENT,
  `dis_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `dis_county_id` int(11) NOT NULL,
  PRIMARY KEY (`dis_id`),
  UNIQUE KEY `dis_county_index` (`dis_county_id`,`dis_name`),
  KEY `dis_name` (`dis_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `employments`
--

DROP TABLE IF EXISTS `employments`;
CREATE TABLE IF NOT EXISTS `employments` (
  `emp_id` int(11) NOT NULL AUTO_INCREMENT,
  `emp_pos_id` int(11) NOT NULL,
  `emp_typ_id` int(11) NOT NULL,
  `emp_wanted` tinyint(1) DEFAULT '0',
  `emp_title` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `emp_img_id` int(11) DEFAULT NULL,
  `emp_gal_id` int(11) DEFAULT NULL,
  `emp_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `emp_html` text COLLATE utf8_unicode_ci,
  `emp_show_from` date NOT NULL,
  `emp_show_to` date NOT NULL,
  PRIMARY KEY (`emp_id`),
  KEY `emp_pos_id` (`emp_pos_id`),
  KEY `emp_typ_id` (`emp_typ_id`),
  KEY `emp_img_id` (`emp_img_id`),
  KEY `emp_gal_id` (`emp_gal_id`),
```

```
  KEY `emp_wanted_index` (`emp_wanted`,`emp_show_from`) USING BTREE
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `events`
--

DROP TABLE IF EXISTS `events`;
CREATE TABLE IF NOT EXISTS `events` (
  `evt_id` int(11) NOT NULL AUTO_INCREMENT,
  `evt_pos_id` int(11) NOT NULL,
  `evt_typ_id` int(11) NOT NULL,
  `evt_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `evt_add_id` int(11) DEFAULT NULL,
  `evt_img_id` int(11) DEFAULT NULL,
  `evt_gal_id` int(11) DEFAULT NULL,
  `evt_cost_id` int(11) DEFAULT NULL,
  `evt_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `evt_html` text COLLATE utf8_unicode_ci,
  `evt_show_from` datetime NOT NULL,
  `evt_show_to` datetime NOT NULL,
  `evt_meet_start` datetime NOT NULL,
  `evt_meet_end` datetime NOT NULL,
  `evt_meet_info` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  PRIMARY KEY (`evt_id`),
  KEY `evt_pos_id` (`evt_pos_id`),
  KEY `evt_typ_id` (`evt_typ_id`),
  KEY `evt_add_id` (`evt_add_id`),
  KEY `evt_img_id` (`evt_img_id`),
  KEY `evt_gal_id` (`evt_gal_id`),
  KEY `evt_cost_id` (`evt_cost_id`),
  KEY `evt_meet_start` (`evt_meet_start`),
  KEY `evt_start_index` (`evt_typ_id`,`evt_meet_start`) USING BTREE
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `galleries`
--

DROP TABLE IF EXISTS `galleries`;
CREATE TABLE IF NOT EXISTS `galleries` (
  `gal_id` int(11) NOT NULL AUTO_INCREMENT,
  `gal_ind_id` int(11) NOT NULL,
  `gal_typ_id` int(11) NOT NULL,
  `gal_gli_id` int(11) NOT NULL,
  `gal_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `gal_added` datetime NOT NULL,
  `gal_amended` datetime NOT NULL,
  `gal_disabled` datetime DEFAULT NULL,
  `gal_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`gal_id`),
  KEY `gal_ind_id` (`gal_ind_id`,`gal_typ_id`),
  KEY `gal_name` (`gal_name`),
  KEY `gal_typ_id` (`gal_typ_id`),
  KEY `gal_gli_id` (`gal_gli_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `gallinks`
--

DROP TABLE IF EXISTS `gallinks`;
```

```
CREATE TABLE IF NOT EXISTS `gallinks` (
  `gli_id` int(11) NOT NULL AUTO_INCREMENT,
  `gli_img_id` int(11) NOT NULL,
  `gli_gal_id` int(11) NOT NULL,
  `gli_order` int(11) NOT NULL,
  PRIMARY KEY (`gli_id`),
  UNIQUE KEY `gli_gal_order` (`gli_gal_id`,`gli_order`) USING BTREE,
  KEY `gli_img_id` (`gli_img_id`),
  KEY `gli_gal_id` (`gli_gal_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `groups`
--

DROP TABLE IF EXISTS `groups`;
CREATE TABLE IF NOT EXISTS `groups` (
  `grp_id` int(11) NOT NULL AUTO_INCREMENT,
  `grp_ind_id` int(11) NOT NULL,
  `grp_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `grp_total` int(11) NOT NULL,
  `grp_added` datetime NOT NULL,
  `grp_amended` datetime NOT NULL,
  `grp_disabled` datetime DEFAULT NULL,
  `grp_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`grp_id`),
  KEY `grp_ind_id` (`grp_ind_id`),
  KEY `grp_name` (`grp_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `images`
--

DROP TABLE IF EXISTS `images`;
CREATE TABLE IF NOT EXISTS `images` (
  `img_id` int(11) NOT NULL AUTO_INCREMENT,
  `img_ind_id` int(11) NOT NULL,
  `img_ext` char(4) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `img_added` datetime NOT NULL,
  `img_amended` datetime NOT NULL,
  `img_disabled` datetime DEFAULT NULL,
  `img_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`img_id`),
  KEY `img_ind_id` (`img_ind_id`)
) ENGINE=InnoDB AUTO_INCREMENT=100002 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `individuals`
--

DROP TABLE IF EXISTS `individuals`;
CREATE TABLE IF NOT EXISTS `individuals` (
  `ind_id` int(11) NOT NULL AUTO_INCREMENT,
  `ind_add_id` int(11) DEFAULT NULL,
  `ind_img_id` int(11) DEFAULT NULL,
  `ind_title_id` int(11) DEFAULT NULL,
  `ind_role_id` int(11) NOT NULL,
  `ind_firstname` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `ind_middles` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_lastname` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `ind_screen` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
```

```
  `ind_pword` varbinary(255) NOT NULL,
  `ind_phone` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_mobile` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_email` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `ind_facebook` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_twitter` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_instagram` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `ind_added` datetime NOT NULL,
  `ind_amended` datetime NOT NULL,
  `ind_disabled` datetime DEFAULT NULL,
  `ind_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`ind_id`),
  UNIQUE KEY `ind_email` (`ind_email`),
  UNIQUE KEY `ind_pword_index` (`ind_email`,`ind_pword`),
  UNIQUE KEY `ind_screen` (`ind_screen`),
  UNIQUE KEY `ind_instagram` (`ind_instagram`),
  UNIQUE KEY `ind_twitter` (`ind_twitter`),
  UNIQUE KEY `ind_facebook` (`ind_facebook`),
  UNIQUE KEY `ind_mobile` (`ind_mobile`),
  KEY `ind_add_id` (`ind_add_id`),
  KEY `ind_img_id` (`ind_img_id`),
  KEY `ind_title_id` (`ind_title_id`),
  KEY `ind_name_index` (`ind_lastname`,`ind_firstname`),
  KEY `ind_role_id` (`ind_role_id`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `indroles`
--

DROP TABLE IF EXISTS `indroles`;
CREATE TABLE IF NOT EXISTS `indroles` (
  `ir_id` int(11) NOT NULL AUTO_INCREMENT,
  `ir_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`ir_id`),
  KEY `ir_name` (`ir_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `jobs`
--

DROP TABLE IF EXISTS `jobs`;
CREATE TABLE IF NOT EXISTS `jobs` (
  `job_id` int(11) NOT NULL AUTO_INCREMENT,
  `job_pos_id` int(11) NOT NULL,
  `job_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `job_typ_id` int(11) NOT NULL,
  `job_add_id` int(11) DEFAULT NULL,
  `job_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `job_html` text COLLATE utf8_unicode_ci,
  `job_img_id` int(11) DEFAULT NULL,
  `job_gal_id` int(11) DEFAULT NULL,
  `job_start` datetime NOT NULL,
  `job_show_from` datetime NOT NULL,
  `job_show_to` datetime NOT NULL,
  PRIMARY KEY (`job_id`),
  KEY `job_pos_id` (`job_pos_id`),
  KEY `job_typ_id` (`job_typ_id`),
  KEY `job_add_id` (`job_add_id`),
  KEY `job_img_id` (`job_img_id`),
  KEY `job_gal_id` (`job_gal_id`),
  KEY `job_show_index` (`job_typ_id`,`job_show_from`),
  KEY `job_show_from` (`job_show_from`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `news`
--

DROP TABLE IF EXISTS `news`;
CREATE TABLE IF NOT EXISTS `news` (
  `new_id` int(11) NOT NULL AUTO_INCREMENT,
  `new_pos_id` int(11) NOT NULL,
  `new_typ_id` int(11) NOT NULL,
  `new_img_id` int(11) DEFAULT NULL,
  `new_gal_id` int(11) DEFAULT NULL,
  `new_subject` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `new_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `new_html` text COLLATE utf8_unicode_ci,
  `new_show_from` datetime NOT NULL,
  `new_show_to` datetime NOT NULL,
  PRIMARY KEY (`new_id`),
  KEY `new_pos_id` (`new_pos_id`),
  KEY `new_typ_id` (`new_typ_id`),
  KEY `new_img_id` (`new_img_id`),
  KEY `new_gal_id` (`new_gal_id`),
  KEY `new_show_index` (`new_typ_id`,`new_show_from`),
  KEY `new_show_from` (`new_show_from`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `offers`
--

DROP TABLE IF EXISTS `offers`;
CREATE TABLE IF NOT EXISTS `offers` (
  `off_id` int(11) NOT NULL AUTO_INCREMENT,
  `off_pos_id` int(11) NOT NULL,
  `off_subject` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `off_typ_id` int(11) NOT NULL,
  `off_add_id` int(11) DEFAULT NULL,
  `off_img_id` int(11) DEFAULT NULL,
  `off_gal_id` int(11) DEFAULT NULL,
  `off_cost_id` int(11) DEFAULT NULL,
  `off_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `off_html` text COLLATE utf8_unicode_ci,
  `off_show_from` datetime NOT NULL,
  `off_show_to` datetime NOT NULL,
  PRIMARY KEY (`off_id`),
  KEY `off_pos_id` (`off_pos_id`),
  KEY `off_typ_id` (`off_typ_id`),
  KEY `off_add_id` (`off_add_id`,`off_show_from`),
  KEY `off_img_id` (`off_img_id`),
  KEY `off_gal_id` (`off_gal_id`),
  KEY `off_cost_id` (`off_cost_id`),
  KEY `off_show_from` (`off_show_from`),
  KEY `off_show_index` (`off_typ_id`,`off_show_from`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `organisations`
--

DROP TABLE IF EXISTS `organisations`;
CREATE TABLE IF NOT EXISTS `organisations` (
```

```
  `org_id` int(11) NOT NULL AUTO_INCREMENT,
  `org_add_same` tinyint(1) NOT NULL DEFAULT '0',
  `org_add_id` int(11) NOT NULL,
  `org_ind_id` int(11) NOT NULL,
  `org_grp_id` int(11) DEFAULT NULL,
  `org_img_id` int(11) DEFAULT NULL,
  `org_gal_id` int(11) DEFAULT NULL,
  `org_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_strap` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `org_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `org_html` text COLLATE utf8_unicode_ci,
  `org_typ_id` int(11) NOT NULL,
  `org_sic_id` int(11) DEFAULT NULL,
  `org_conum` varchar(10) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_reg_id` tinyint(1) DEFAULT NULL,
  `org_vatnum` varchar(10) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_phone` varchar(25) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_mobile` varchar(25) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_email` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_web` varchar(255) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_facebook` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_twitter` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_instagram` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL,
  `org_added` datetime NOT NULL,
  `org_amended` datetime NOT NULL,
  `org_disabled` datetime DEFAULT NULL,
  `org_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`org_id`),
  KEY `org_add_id` (`org_add_id`),
  KEY `org_ind_id` (`org_ind_id`),
  KEY `org_grp_id` (`org_grp_id`),
  KEY `org_typ_id` (`org_typ_id`),
  KEY `org_sic_id` (`org_sic_id`),
  KEY `org_reg_id` (`org_reg_id`),
  KEY `org_img_id` (`org_img_id`),
  KEY `org_gal_id` (`org_gal_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `orgindlinks`
--

DROP TABLE IF EXISTS `orgindlinks`;
CREATE TABLE IF NOT EXISTS `orgindlinks` (
  `oil_id` int(11) NOT NULL AUTO_INCREMENT,
  `oil_org_id` int(11) NOT NULL,
  `oil_ind_id` int(11) NOT NULL,
  `oil_owner` tinyint(1) NOT NULL DEFAULT '0',
  `oil_org_role` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `oil_added` int(11) NOT NULL,
  `oil_amended` datetime NOT NULL,
  `oil_disabled` int(11) DEFAULT NULL,
  `oil_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`oil_id`),
  UNIQUE KEY `oil_org_index` (`oil_org_id`,`oil_ind_id`),
  UNIQUE KEY `oil_ind_index` (`oil_ind_id`,`oil_org_id`),
  KEY `oil_org_id` (`oil_org_id`),
  KEY `oil_ind_id` (`oil_ind_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `orgindroles`
--
```

```
DROP TABLE IF EXISTS `orgindroles`;
CREATE TABLE IF NOT EXISTS `orgindroles` (
  `oir_id` int(11) NOT NULL AUTO_INCREMENT,
  `oir_role` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`oir_id`),
  KEY `oir_role` (`oir_role`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `posts`
--

DROP TABLE IF EXISTS `posts`;
CREATE TABLE IF NOT EXISTS `posts` (
  `pos_id` int(11) NOT NULL AUTO_INCREMENT,
  `pos_type_id` int(11) NOT NULL,
  `pos_ind_id` int(11) NOT NULL,
  `pos_org_id` int(11) DEFAULT NULL,
  `pos_added` datetime NOT NULL,
  `pos_amended` datetime NOT NULL,
  `pos_disabled` datetime DEFAULT NULL,
  `pos_changed_by` int(11) NOT NULL,
  PRIMARY KEY (`pos_id`),
  KEY `pos_type_id` (`pos_type_id`),
  KEY `pos_ind_id` (`pos_ind_id`),
  KEY `pos_added` (`pos_added`),
  KEY `pos_org_id` (`pos_org_id`),
  KEY `pos_changed_by` (`pos_changed_by`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `regions`
--

DROP TABLE IF EXISTS `regions`;
CREATE TABLE IF NOT EXISTS `regions` (
  `rgn_id` int(11) NOT NULL AUTO_INCREMENT,
  `rgn_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `rgn_cty_id` int(11) NOT NULL,
  PRIMARY KEY (`rgn_id`),
  KEY `rgn_cty_id` (`rgn_cty_id`),
  KEY `rgn_name` (`rgn_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `regplaces`
--

DROP TABLE IF EXISTS `regplaces`;
CREATE TABLE IF NOT EXISTS `regplaces` (
  `reg_id` int(11) NOT NULL AUTO_INCREMENT,
  `reg_place` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`reg_id`),
  KEY `reg_place` (`reg_place`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `routes`
--
```

```
DROP TABLE IF EXISTS `routes`;
CREATE TABLE IF NOT EXISTS `routes` (
  `rte_id` int(11) NOT NULL AUTO_INCREMENT,
  `rte_pos_id` int(11) NOT NULL,
  `rte_typ_id` int(11) NOT NULL,
  `rte_places_id` int(11) NOT NULL,
  `rte_subject` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `rte_add_id` int(11) DEFAULT NULL,
  `rte_img_id` int(11) DEFAULT NULL,
  `rte_gal_id` int(11) DEFAULT NULL,
  `rte_text` text COLLATE utf8_unicode_ci,
  `rte_html` text COLLATE utf8_unicode_ci,
  `rte_map` varchar(100) COLLATE utf8_unicode_ci DEFAULT NULL,
  `rte_gpx` varchar(100) COLLATE utf8_unicode_ci DEFAULT NULL,
  `rte_meet_info` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`rte_id`),
  KEY `rte_pos_id` (`rte_pos_id`),
  KEY `rte_add_id` (`rte_add_id`),
  KEY `rte_img_id` (`rte_img_id`),
  KEY `rte_gal_id` (`rte_gal_id`),
  KEY `rte_typ_id` (`rte_typ_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `rteplaces`
--

DROP TABLE IF EXISTS `rteplaces`;
CREATE TABLE IF NOT EXISTS `rteplaces` (
  `rpl_id` int(11) NOT NULL AUTO_INCREMENT,
  `rpl_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `rpl_rgn_id` int(11) NOT NULL,
  PRIMARY KEY (`rpl_id`),
  KEY `rpl_name` (`rpl_name`),
  KEY `rpl_rgn_id` (`rpl_rgn_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `salesandwants`
--

DROP TABLE IF EXISTS `salesandwants`;
CREATE TABLE IF NOT EXISTS `salesandwants` (
  `saw_id` int(11) NOT NULL AUTO_INCREMENT,
  `saw_pos_id` int(11) NOT NULL,
  `saw_typ_id` int(11) NOT NULL,
  `saw_subject` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `saw_add_id` int(11) DEFAULT NULL,
  `saw_img_id` int(11) DEFAULT NULL,
  `saw_gal_id` int(11) DEFAULT NULL,
  `saw_cost_id` int(11) DEFAULT NULL,
  `saw_text` text CHARACTER SET utf8 COLLATE utf8_unicode_ci,
  `saw_html` text COLLATE utf8_unicode_ci,
  `saw_show_from` datetime NOT NULL,
  `saw_show_to` datetime NOT NULL,
  PRIMARY KEY (`saw_id`),
  KEY `saw_typ_id` (`saw_typ_id`),
  KEY `saw_pos_id` (`saw_pos_id`),
  KEY `saw_add_id` (`saw_add_id`),
  KEY `saw_img_id` (`saw_img_id`),
  KEY `saw_gal_id` (`saw_gal_id`),
  KEY `saw_cost_id` (`saw_cost_id`),
  KEY `saw_show_from` (`saw_show_from`),
  KEY `saw_show_index` (`saw_typ_id`,`saw_show_from`)
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `siccodes`
--

DROP TABLE IF EXISTS `siccodes`;
CREATE TABLE IF NOT EXISTS `siccodes` (
  `sic_id` int(11) NOT NULL AUTO_INCREMENT,
  `sic_code` int(11) NOT NULL,
  `sic_name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`sic_id`),
  KEY `sic_code` (`sic_code`),
  KEY `sic_name` (`sic_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `threads`
--

DROP TABLE IF EXISTS `threads`;
CREATE TABLE IF NOT EXISTS `threads` (
  `thr_id` int(11) NOT NULL AUTO_INCREMENT,
  `thr_pos_id` int(11) NOT NULL,
  `thr_subject` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `thr_typ_id` int(11) NOT NULL,
  `thr_typ_id_id` int(11) DEFAULT NULL,
  `thr_img_id` int(11) DEFAULT NULL,
  `com_show_from` datetime NOT NULL,
  `com_show_to` datetime NOT NULL,
  PRIMARY KEY (`thr_id`),
  KEY `thr_pos_id` (`thr_pos_id`) USING BTREE,
  KEY `thr_typ_id` (`thr_typ_id`) USING BTREE,
  KEY `thr_img_id` (`thr_img_id`) USING BTREE,
  KEY `thr_typ_id_id` (`thr_typ_id_id`) USING BTREE
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `titles`
--

DROP TABLE IF EXISTS `titles`;
CREATE TABLE IF NOT EXISTS `titles` (
  `title_id` int(11) NOT NULL AUTO_INCREMENT,
  `title_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`title_id`),
  KEY `title_name` (`title_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `towns`
--

DROP TABLE IF EXISTS `towns`;
CREATE TABLE IF NOT EXISTS `towns` (
  `town_id` int(11) NOT NULL AUTO_INCREMENT,
  `town_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `town_cnt_id` int(11) NOT NULL,
  PRIMARY KEY (`town_id`),
  KEY `town_name` (`town_name`),
```

```
  KEY `town_county_id` (`town_cnt_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

-- --------------------------------------------------------

--
-- Table structure for table `types`
--

DROP TABLE IF EXISTS `types`;
CREATE TABLE IF NOT EXISTS `types` (
  `typ_id` int(11) NOT NULL AUTO_INCREMENT,
  `typ_type` char(3) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  `typ_name` varchar(100) CHARACTER SET utf8 COLLATE utf8_unicode_ci NOT NULL,
  PRIMARY KEY (`typ_id`),
  UNIQUE KEY `typ_type` (`typ_type`,`typ_name`),
  KEY `typ_name` (`typ_name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

--
-- Constraints for dumped tables
--

--
-- Constraints for table `addresses`
--
ALTER TABLE `addresses`
  ADD CONSTRAINT `FK_add_evt` FOREIGN KEY (`add_id`) REFERENCES `events` (`evt_add_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_add_ind` FOREIGN KEY (`add_id`) REFERENCES `individuals` (`ind_add_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_add_job` FOREIGN KEY (`add_id`) REFERENCES `jobs` (`job_add_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_add_org` FOREIGN KEY (`add_id`) REFERENCES `organisations`
  (`org_add_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_add_rte` FOREIGN KEY (`add_id`) REFERENCES `routes` (`rte_add_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_add_saw` FOREIGN KEY (`add_id`) REFERENCES `salesandwants`
  (`saw_add_id`) ON DELETE RESTRICT;

--
-- Constraints for table `costs`
--
ALTER TABLE `costs`
  ADD CONSTRAINT `FK_cos_` FOREIGN KEY (`cos_id`) REFERENCES `salesandwants` (`saw_cost_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_cos_evt` FOREIGN KEY (`cos_id`) REFERENCES `events` (`evt_cost_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_cos_saw` FOREIGN KEY (`cos_id`) REFERENCES `salesandwants`
  (`saw_cost_id`) ON DELETE RESTRICT;

--
-- Constraints for table `counties`
--
ALTER TABLE `counties`
  ADD CONSTRAINT `FK_cnt` FOREIGN KEY (`cnt_id`) REFERENCES `towns` (`town_cnt_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `countries`
--
ALTER TABLE `countries`
  ADD CONSTRAINT `FK_cty` FOREIGN KEY (`cty_id`) REFERENCES `regions` (`rgn_cty_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `districts`
--
```

```
ALTER TABLE `districts`
  ADD CONSTRAINT `FK_dis_add` FOREIGN KEY (`dis_id`) REFERENCES `addresses`
  (`add_district_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_dis_area` FOREIGN KEY (`dis_id`) REFERENCES `areas` (`area_dis_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `galleries`
--
ALTER TABLE `galleries`
  ADD CONSTRAINT `FK_gal_emp` FOREIGN KEY (`gal_id`) REFERENCES `announcements`
  (`ann_gal_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_evt` FOREIGN KEY (`gal_id`) REFERENCES `events` (`evt_gal_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_gli` FOREIGN KEY (`gal_id`) REFERENCES `galleries` (`gal_gli_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_job` FOREIGN KEY (`gal_id`) REFERENCES `jobs` (`job_gal_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_new` FOREIGN KEY (`gal_id`) REFERENCES `news` (`new_gal_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_off` FOREIGN KEY (`gal_id`) REFERENCES `offers` (`off_gal_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_org` FOREIGN KEY (`gal_id`) REFERENCES `organisations`
  (`org_gal_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_rte` FOREIGN KEY (`gal_id`) REFERENCES `routes` (`rte_gal_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_gal_saw` FOREIGN KEY (`gal_id`) REFERENCES `routes` (`rte_gal_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `groups`
--
ALTER TABLE `groups`
  ADD CONSTRAINT `FK_grp_org` FOREIGN KEY (`grp_id`) REFERENCES `organisations`
  (`org_grp_id`) ON DELETE RESTRICT;

--
-- Constraints for table `images`
--
ALTER TABLE `images`
  ADD CONSTRAINT `FK_img_ann` FOREIGN KEY (`img_id`) REFERENCES `announcements`
  (`ann_img_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_emp` FOREIGN KEY (`img_id`) REFERENCES `employments` (`emp_img_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_evt` FOREIGN KEY (`img_id`) REFERENCES `events` (`evt_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_gli` FOREIGN KEY (`img_id`) REFERENCES `gallinks` (`gli_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_ind` FOREIGN KEY (`img_id`) REFERENCES `individuals` (`ind_img_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_job` FOREIGN KEY (`img_id`) REFERENCES `jobs` (`job_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_new` FOREIGN KEY (`img_id`) REFERENCES `news` (`new_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_off` FOREIGN KEY (`img_id`) REFERENCES `offers` (`off_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_org` FOREIGN KEY (`img_id`) REFERENCES `organisations`
  (`org_img_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_rte` FOREIGN KEY (`img_id`) REFERENCES `routes` (`rte_img_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_img_saw` FOREIGN KEY (`img_id`) REFERENCES `salesandwants`
  (`saw_img_id`) ON DELETE RESTRICT;

--
-- Constraints for table `individuals`
--
ALTER TABLE `individuals`
  ADD CONSTRAINT `FK_ind_oil` FOREIGN KEY (`ind_id`) REFERENCES `orgindlinks` (`oil_ind_id`)
```

```
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_ind_org` FOREIGN KEY (`ind_id`) REFERENCES `organisations`
  (`org_ind_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_ind_pos` FOREIGN KEY (`ind_id`) REFERENCES `posts` (`pos_ind_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `indroles`
--
ALTER TABLE `indroles`
  ADD CONSTRAINT `FK_irl_ind` FOREIGN KEY (`ir_id`) REFERENCES `individuals` (`ind_role_id`)
  ON DELETE RESTRICT;

--
-- Constraints for table `organisations`
--
ALTER TABLE `organisations`
  ADD CONSTRAINT `FK_org_oil` FOREIGN KEY (`org_id`) REFERENCES `orgindlinks` (`oil_org_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_org_pos` FOREIGN KEY (`org_id`) REFERENCES `posts` (`pos_org_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `posts`
--
ALTER TABLE `posts`
  ADD CONSTRAINT `FK_pos_ann` FOREIGN KEY (`pos_id`) REFERENCES `announcements`
  (`ann_pos_id`) ON DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_com` FOREIGN KEY (`pos_id`) REFERENCES `threads` (`thr_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_emp` FOREIGN KEY (`pos_id`) REFERENCES `employments` (`emp_pos_id`)
  ON DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_evt` FOREIGN KEY (`pos_id`) REFERENCES `events` (`evt_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_job` FOREIGN KEY (`pos_id`) REFERENCES `jobs` (`job_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_new` FOREIGN KEY (`pos_id`) REFERENCES `news` (`new_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_off` FOREIGN KEY (`pos_id`) REFERENCES `offers` (`off_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_rte` FOREIGN KEY (`pos_id`) REFERENCES `routes` (`rte_pos_id`) ON
  DELETE CASCADE,
  ADD CONSTRAINT `FK_pos_saw` FOREIGN KEY (`pos_id`) REFERENCES `salesandwants`
  (`saw_pos_id`) ON DELETE CASCADE;

--
-- Constraints for table `regions`
--
ALTER TABLE `regions`
  ADD CONSTRAINT `FK_rgn` FOREIGN KEY (`rgn_id`) REFERENCES `counties` (`cnt_rgn_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_rgn_rteplaces` FOREIGN KEY (`rgn_id`) REFERENCES `rteplaces`
  (`rpl_rgn_id`) ON DELETE RESTRICT;

--
-- Constraints for table `threads`
--
ALTER TABLE `threads`
  ADD CONSTRAINT `FK_com` FOREIGN KEY (`thr_id`) REFERENCES `comments` (`com_thr_id`) ON
  DELETE RESTRICT;

--
-- Constraints for table `titles`
--
ALTER TABLE `titles`
  ADD CONSTRAINT `FK_title` FOREIGN KEY (`title_id`) REFERENCES `individuals`
  (`ind_title_id`) ON DELETE RESTRICT;
```

```
--
-- Constraints for table `towns`
--
ALTER TABLE `towns`
  ADD CONSTRAINT `FK_town_add` FOREIGN KEY (`town_id`) REFERENCES `addresses`
  (`add_town_id`) ON DELETE RESTRICT;

--
-- Constraints for table `types`
--
ALTER TABLE `types`
  ADD CONSTRAINT `FK_typ_ann` FOREIGN KEY (`typ_id`) REFERENCES `announcements`
  (`ann_type_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_com` FOREIGN KEY (`typ_id`) REFERENCES `threads` (`thr_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_emp` FOREIGN KEY (`typ_id`) REFERENCES `employments` (`emp_typ_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_evt` FOREIGN KEY (`typ_id`) REFERENCES `events` (`evt_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_gal` FOREIGN KEY (`typ_id`) REFERENCES `galleries` (`gal_typ_id`)
  ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_job` FOREIGN KEY (`typ_id`) REFERENCES `jobs` (`job_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_new` FOREIGN KEY (`typ_id`) REFERENCES `news` (`new_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_off` FOREIGN KEY (`typ_id`) REFERENCES `offers` (`off_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_org` FOREIGN KEY (`typ_id`) REFERENCES `organisations`
  (`org_typ_id`) ON DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_pos` FOREIGN KEY (`typ_id`) REFERENCES `posts` (`pos_type_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_rte` FOREIGN KEY (`typ_id`) REFERENCES `routes` (`rte_typ_id`) ON
  DELETE RESTRICT,
  ADD CONSTRAINT `FK_typ_saw` FOREIGN KEY (`typ_id`) REFERENCES `salesandwants`
  (`saw_typ_id`) ON DELETE RESTRICT;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

Appendix VII

Data Dictionary

addresses

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
add_id	INT(11)	✓		✓					✓		Primary Key id and Foreign Key for a number of tables
add_desc	VARCHAR(100)			✓							Freehand description
add_line1	VARCHAR(100)			✓							Address Line 1
add_line2	VARCHAR(100)									NULL	Address Line 2
add_line3	VARCHAR(100)									NULL	Address Line 3
add_town_id	INT(11)		✓	✓							Foreign Key linking to Towns table
add_county_id	VARCHAR(100)		✓							NULL	Foreign Key linking to Counties table
add_region_id	INT(11)		✓	✓							Foreign Key linking to Regions table
add_country_id	INT(11)		✓	✓							Foreign Key linking to Countries table
add_pcode	VARCHAR(10)			✓							UK Postcode
add_area_id	INT(11)		✓							NULL	Foreign Key linking to Areas table
add_district_id	INT(11)		✓							NULL	Foreign key linking to Districts table
add_added	DATETIME			✓							Date / Time added
add_amended	DATETIME			✓							Date / Time last amended
add_disabled	DATETIME									NULL	Date marked for deletion
add_change_by	INT(11)		✓	✓							Foreign key linking to Individuals table

announcements

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
ann_id	INT(11)	✓		✓					✓		Primary Key id and possible Foreign Key for Threads table
ann_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
ann_subject	VARCHAR(100)			✓							Announcement subject displayed in listings
ann_type_id	INT(11)		✓	✓							Foreign Key linking to Types table
ann_img_id	INT(11)		✓	✓							Foreign Key linking to Images table
ann_gal_id	INT(11)		✓	✓							Foreign key linking to Galleries table
ann_text	TEXT			✓							Text of the announcement to be displayes online
ann_show_from	DATETIME			✓							Date user wants the announcment shown from
ann_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

areas

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
area_id	INT(11)	✓		✓					✓		Primary Key
area_name	VARCHAR(100)			✓							Area Name (Towns, Villages or local conurbations within Districts)
area_dis_id	INT(11)		✓	✓							Foreign Key linking to the Districts table

comments

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
com_id	INT(11)	✓		✓					✓		Primary Key
com_thr_id	INT(11)		✓	✓							Foreign Key linking to the Thread table
com_ind_id	INT(11)		✓	✓							Foreign Key linking to the Individuals table.
com_text	TEXT			✓							Text of comment for display online
com_added	DATETIME			✓							Date /Time added for display online

costs

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
cos_id	INT(11)	✓		✓					✓		Primary Key
cos_description	TEXT			✓							Cost/Value Description e.g. Selling Price
cos_amount	DECIMAL(10,2)									NULL	Amount of cost
cos_added	DATETIME			✓							Date / Time added
cos_amended	DATETIME			✓							Date / Time last amended
cos_disabled	DATETIME			✓							Date marked for deletion

counties

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
cnt_id	INT(11)	✓		✓					✓		Primary Key
cnt_name	VARCHAR(100)			✓							County Name
cnt_rgn_id	INT(11)		✓	✓							Foreign Key linking to Regions table

countries

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
cty_id	INT(11)	✓		✓					✓		Primary Key
cty_name	VARCHAR(100)			✓							Country name

Data Dictionary

districts

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
dis_id	INT(11)	✓		✓					✓		Primary Key and Foreign Key linking to Areas table
dis_name	VARCHAR(100)			✓							District name
dis_county_id	INT(11)		✓	✓							Foreign Key linking to Counties table

employments (also called vacancies in documentation)

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
emp_id	INT(11)	✓		✓					✓		Primary Key
emp_pos_id	INT(11)		✓	✓							Foreign Key linking to Postings table
emp_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
emp_wanted	TINYINT(1)									'0'	Flag to show whether vacancy offerred or wanted
emp_title	VARCHAR(100)			✓							Vacancy / Job title
emp_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
emp_gal_id	INT(11)		✓							NULL	Foreign Key linking to Galleries table
emp_text	TEXT									NULL	Optionally text entered as a description for display online
emp_html	TEXT									NULL	Optionally html entered as a formatted description for display online
emp_show_from	DATE			✓							Date user wants the vacancy displayed from
emp_show_to	DATE			✓							Final date shown online before being marked for deletion and hidden

events

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
evt_id	INT(11)	✓		✓					✓		Primary Key
evt_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
evt_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
evt_name	VARCHAR(100)			✓							Event subject displayed in listings
evt_add_id	INT(11)		✓							NULL	Foreign Key linking to Addresses table
evt_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
evt_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
evt_cost_id	INT(11)		✓							NULL	Foreign Key linked to Costs table
evt_text	TEXT									NULL	Optionally text entered as a description for display online
evt_html	TEXT									NULL	Optionally html entered as a formatted description for display online
evt_show_from	DATETIME			✓							Date user wants the event displayed from
evt_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden
evt_meet_start	DATETIME			✓							Actual event start date
evt_meet_end	DATETIME			✓							Actual event end
evt_meet_info	VARCHAR(100)									NULL	Text describing the meeting point/details

galleries

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
gal_id	INT(11)	✓		✓					✓		Primary Key and used as Foreign Key linking to many tables in the system
gal_ind_id	INT(11)		✓	✓							Foreign Key linking to Individuals table
gal_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
gal_gli_id	INT(11)		✓	✓							Foreign Key linking to galleries/images Gallink table
gal_name	VARCHAR(100)									NULL	Name of the gallery
gal_added	DATETIME			✓							Date / Time added
gal_amended	DATETIME			✓							Date / Time last amended
gal_disabled	DATETIME									NULL	Date marked for deletion
gal_changed_by	INT(11)			✓							Foreign key linking to Individuals table

gallinks

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
gli_id	INT(11)	✓		✓					✓		Primary Key
gli_img_id	INT(11)		✓	✓							Foreign Key linking to Images table
gli_gal_id	INT(11)		✓	✓							Foreign Key linking to Galleries Table
gli_order	INT(11)			✓							Image order when displayed online

groups

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
grp_id	INT(11)	✓		✓					✓		Primary Key
grp_ind_id	INT(11)		✓	✓							Foreign Key linking to the Individuals table.
grp_name	VARCHAR(100)			✓							Name of the group.
grp_total	INT(11)			✓							Number of organisations in the group
grp_added	DATETIME			✓							Date / Time added
grp_amended	DATETIME			✓							Date / Time last amended
grp_disabled	DATETIME									NULL	Date marked for deletion
grp_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

Data Dictionary

images

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
img_id	INT(11)	✓		✓					✓		Primary Key
img_ind_id	INT(11)		✓	✓							Foreign Key linking to the Individuals table.
img_ext	CHAR(4)			✓							Image extension e.g. png, jpg etc
img_added	DATETIME			✓							Date / Time added
img_amended	DATETIME			✓							Date / Time last amended
img_disabled	DATETIME									NULL	Date marked for deletion
img_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

individuals

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
ind_id	INT(11)	✓		✓					✓		Primary Key widely used as a Foreign Key linking to many other tables
ind_add_id	INT(11)		✓							NULL	Foreign Key linking to the Addresses table
ind_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
ind_title_id	INT(11)		✓							NULL	Foreign Key linking to Titles table
ind_role_id	INT(11)		✓	✓							Foreign Key linking to Roles table
ind_firstname	VARCHAR(100)			✓							First Name
ind_middles	VARCHAR(100)									NULL	Middle Names
ind_lastname	VARCHAR(100)			✓							Last Name
ind_screen	VARCHAR(100)			✓							Screen Name
ind_pword	VARBINARY(255)			✓							Password (hashed)
ind_phone	VARCHAR(100)									NULL	Landline
ind_mobile	VARCHAR(100)									NULL	Mobile Phone
ind_email	VARCHAR(100)			✓							Email Address
ind_facebook	VARCHAR(100)									NULL	Facebook link
ind_twitter	VARCHAR(100)									NULL	Twitter Link
ind_instagram	VARCHAR(100)									NULL	Instagram Link
ind_added	DATETIME			✓							Date / Time added
ind_amended	DATETIME			✓							Date / Time last amended
ind_disabled	DATETIME									NULL	Date marked for deletion
ind_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

indroles

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
ir_id	INT(11)	✓		✓					✓		Primary Key
ir_name	VARCHAR(100)			✓							Role within the System (none, editor administrator etc)

jobs

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
job_id	INT(11)	✓		✓					✓		Primary Key
job_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
job_name	VARCHAR(100)			✓							Subject of work required.
job_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
job_add_id	INT(11)		✓							NULL	Foreign Key linking to Addresses table
job_text	TEXT									NULL	Optionally text entered as a description for display online
job_html	TEXT									NULL	Optionally html entered as a formatted description for display online
job_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
job_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
job_start	DATETIME			✓							Date work required for
job_show_from	DATETIME			✓							Date user wants the job displayed from
job_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

news

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
new_id	INT(11)	✓		✓					✓		Primary Key
new_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
new_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
new_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
new_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
new_subject	VARCHAR(100)			✓							News headline displayed in listing.
new_text	TEXT									NULL	Optionally text entered as a description for display online
new_html	TEXT									NULL	Optionally html entered as a formatted description for display online
new_show_from	DATETIME			✓							Date the news item should be shown from.
new_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

Data Dictionary

offers

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
off_id	INT(11)	✓		✓					✓		Primary Key
off_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
off_subject	VARCHAR(100)			✓							Event subject displayed in listings
off_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
off_add_id	INT(11)		✓							NULL	Foreign Key linking to Addresses table
off_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
off_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
off_cost_id	INT(11)		✓							NULL	Foreign Key linked to Costs table
off_text	TEXT									NULL	Optionally text entered as a description for display online
off_html	TEXT									NULL	Optionally html entered as a formatted description for display online
off_show_from	DATETIME			✓							Date user wants the offer displayed from
off_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

organisations

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
org_id	INT(11)	✓		✓					✓		Primary Key
org_add_same	TINYINT(1)			✓						'0'	Confirms address details the same as the organisation "owner".
org_add_id	INT(11)		✓	✓							Foreign Key linking to Addresses table
org_ind_id	INT(11)		✓	✓							Foreign Key linking to the Individuals table.
org_grp_id	INT(11)		✓							NULL	Foreign Key linking to the Groups table.
org_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
org_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
org_name	VARCHAR(100)									NULL	Organisation Name
org_strap	VARCHAR(100)			✓							Organisation Strap Line
org_text	TEXT									NULL	Optionally text entered as a description for display online
org_html	TEXT									NULL	Optionally html entered as a formatted description for display online
org_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
org_sic_id	INT(11)		✓							NULL	Foreign Key linking to Siccodes table
org_conum	VARCHAR(10)									NULL	Company Number
org_reg_id	TINYINT(1)		✓							NULL	Foreign Key linking to Regplaces table.
org_vatnum	VARCHAR(10)									NULL	VAT number
org_phone	VARCHAR(25)									NULL	Landline
org_mobile	VARCHAR(25)									NULL	Mobile Phone
org_email	VARCHAR(100)									NULL	Email Address
org_web	VARCHAR(255)									NULL	Web URL
org_facebook	VARCHAR(100)									NULL	Facebook link
org_twitter	VARCHAR(100)									NULL	Twitter Link
org_instagram	VARCHAR(100)									NULL	Instagram Link
org_added	DATETIME			✓							Date / Time added
org_amended	DATETIME			✓							Date / Time last amended
org_disabled	DATETIME									NULL	Date marked for deletion
org_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

orgindlinks

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
oil_id	INT(11)	✓		✓					✓		Primary Key
oil_org_id	INT(11)		✓	✓							Foreign Key linking to Organisations table
oil_ind_id	INT(11)		✓	✓							Foreign key linking to Individuals table
oil_owner	TINYINT(1)			✓						'0'	Confirming if the link is with the Organisation "owner"
oil_org_role	VARCHAR(100)			✓							Role in the Organisation
oil_added	DATETIME			✓							Date / Time added
oil_amended	DATETIME			✓							Date / Time last amended
oil_disabled	DATETIME									NULL	Date marked for deletion
oil_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

orgindroles

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
oir_id	INT(11)	✓		✓					✓		Primary Key
oir_role	VARCHAR(100)			✓							Lookup for common roles in Organisation but no linking

Data Dictionary

posts

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
pos_id	INT(11)	✓		✓					✓		Primary Key
pos_type_id	INT(11)		✓	✓							Foreign Key linking to Types table
pos_ind_id	INT(11)		✓	✓							Foreign Key linking to Individuals table
pos_org_id	INT(11)		✓							NULL	Foreign Key linking to Organisations table
pos_added	DATETIME			✓							Date / Time added
pos_amended	DATETIME			✓							Date / Time last amended
pos_disabled	DATETIME									NULL	Date marked for deletion
pos_changed_by	INT(11)		✓	✓							Foreign key linking to Individuals table

regions

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
rgn_id	INT(11)	✓		✓					✓		Primary Key and used as a Foreign Key to link to the Counties table
rgn_name	VARCHAR(100)			✓							Region Name e.g. England, Scotland etc
rgn_cty_id	INT(11)			✓							Foreign Key linking to the Countries table

regplaces

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
reg_id	INT(11)	✓		✓					✓		Primary Key
reg_place	VARCHAR(100)			✓							Places where companies can be registered in the UK

routes

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
rte_id	INT(11)	✓		✓					✓		Primary Key
rte_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
rte_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
rte_rpl_id	INT(11)		✓	✓							Foreign Key linking to Rteplaces table (walk / cycle areas e.g. Peak District)
rte_subject	VARCHAR(100)			✓							Route subject displayed in listings
rte_add_id	INT(11)		✓							NULL	Foreign Key linking to Addresses table
rte_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
rte_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
rte_text	TEXT									NULL	Optionally text entered as a description for display online
rte_html	TEXT									NULL	Optionally html entered as a formatted description for display online
rte_map	VARCHAR(100)									NULL	URL to map location
rte_gpx	VARCHAR(100)									NULL	GPX file name and path
rte_meet_info	VARCHAR(100)			✓							Description of meeting place

rteplaces

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
rpl_id	INT(11)	✓		✓					✓		Primary Key
rpl_name	VARCHAR(100)			✓							Name of walk / cycle area e.g. Peak District
rpl_rgn_id	INT(11)		✓	✓							Foreign Key linking to Regions table

salesandwants

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
saw_id	INT(11)	✓		✓					✓		Primary Key
saw_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
saw_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
saw_subject	VARCHAR(100)			✓							Sale or Want subject displayed in listings
saw_add_id	INT(11)		✓							NULL	Foreign Key linking to Addresses table
saw_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
saw_gal_id	INT(11)		✓							NULL	Foreign Key linked to Galleries table
saw_cost_id	INT(11)		✓							NULL	Foreign Key linked to Costs table
saw_text	TEXT									NULL	Optionally text entered as a description for display online
saw_html	TEXT									NULL	Optionally html entered as a formatted description for display online
saw_show_from	DATETIME			✓							Date user wants the offer displayed from
saw_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

siccodes

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
sic_id	INT(11)	✓		✓					✓		Primary Key also used as a Foreign Key in the Organisations table
sic_code	INT(11)			✓							SIC Code
sic_name	VARCHAR(100)			✓							SIC Name

Data Dictionary

threads

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
thr_id	INT(11)	✓		✓					✓		Primary Key
thr_pos_id	INT(11)		✓	✓							Foreign Key linking to Posts table.
thr_subject	VARCHAR(100)			✓							Comment heading
thr_typ_id	INT(11)		✓	✓							Foreign Key linking to Types table
thr_typ_id_id	INT(11)		✓							NULL	Foreign Key linking to the record being commented on!
thr_img_id	INT(11)		✓							NULL	Foreign Key linking to Images table
com_show_from	DATETIME			✓							Date comment thread to be first shown
com_show_to	DATETIME			✓							Final date shown online before being marked for deletion and hidden

titles

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
title_id	INT(11)	✓		✓					✓		Primary Key also used as a Foreign Key linking to the Individuals table
title_name	VARCHAR(100)			✓							Title e.g. Mr, Mrs etc

towns

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
town_id	INT(11)	✓		✓					✓		Primary Key and also used as a Foreign Key linking to the Addresses table
town_name	VARCHAR(100)			✓							Postal town name
town_cnt_id	INT(11)		✓	✓							Foreign Key linking to the Counties table

types

Column name	DataType	PK	FK	NN	UQ	BIN	UN	ZF	AI	Default	Comment
typ_id	INT(11)	✓		✓					✓		Primary Key also used as a Foreign Key in almost every other table
typ_type	CHAR(3)			✓							Identifies each entity that can have a number of types
typ_name	VARCHAR(100)			✓							Type name for display and selection

Details of Indexes and Foreign Key Contraints are shown in Appendix VI