

Paul Massey [pvm]

Rabbit Show Manager

Edel Mary Sherratt [eds]

G402 BSc in Open Source Computing

CS39440.

2014/02/10

Version 1.0

Final

Project Introduction

This project has been a personal itch to scratch for a number of years, I used to keep and show rabbits as a hobby, I became show secretary. for the local club. The manual system which is still in use today. There are competing software products on the market for shows that are in the USA, all except one are commercial software. I have found no software that is for the UK, and the only one Open Source Software solution I have found is also for the USA.

The system is to create list of classes as selected by the club committee, issue a request for BRC accreditation paper copies at present, once accreditation is received, advertise the show in the Fur and Feather, allow entries for classes by post and telephone and email to the secretary, also on-line, on the closing date and time collect the entries from the website and process all entries in their appropriate classes, produce required database tables and paper copies that are required by the judges. Collate the results as the show progresses Calculate entry fees and prize money.

Create documents for both BRC and F&F listing the results, Post the results on the website.

Project deliverables

1. Database – Postgres
2. Desktop Application for Microsoft's Windows, Apple's Mac OSX, and Linux
3. The website PHP / Javascript

There are additional deliverables if there is time.

4. Android Application
5. iOS Application

(A selection of) Initial Customer Stories.

- A Rabbit society requires a software application to help with the running of rabbit show from start to finish.
- Take information from the committee meeting, to get BRC certification of the star rating for a rabbit show.
- Requires a list of all breed classes and specific breed challenge classes in the show, the proposed class judge(s) as the judges can affect the star rating, as does the entry fee and prize money structures
- Once confirmation from the BRC is received the advert for the F&F is produced and sent.
- Taking entries - From the adverts appearance in the F&F there will be
- Once the closing date/time has passed the desktop application gets the data from the

website.

- Create the database of entries.
- Create the paper sheets for the judges and stewards to record the places of exhibits these sheets have little information such as class number name and a line for each exhibit record both edges of the paper work. The Judge is not permitted to know who is the owner of the exhibits at the time of judging.
- Once a class or set of classes have been judged the right hand side of the judges sheet is returned to the secretary to enter this information in the class results, assigning prize money to the exhibitor.
- Exhibitors come to the secretary during the course of the show to pay their entry fees, usually in cash, however cheques are acceptable, this must be marked as paid at the time.
- once the show has finally ended the preparation of reports of the results for the BRC and F&F are prepared and printed, and posted.
- The results for the show can also be posted on the results section of the web site.

Rough outline of time management plan

Outline Project Spec	10	2014-01-27	2014-02-03	2014-02-10	
Meetings with supervisor	20				EDS
Database design	24	2014-02-10	2014-02-25	2014-02-14	
Desktop Application	120	2014-02-14	2014-02-26	2014-03-07	
Website Application	80	2014-03-07	2014-03-19	2014-03-21	
Android Application	80	2014-03-21	2014-04-02	2014-05-04	
Complete report	40	2014-04-02	2014-04-09	2014-05-04	
Write CD to submit	1	2014-04-09	2014-05-04	2014-05-04	
Bind Project report	24	2014-04-09	2014-05-04	2014-05-08	Aber Information Services
Hand in of Project	1	2014-04-09	2014-05-08	2014-05-08	
Total hours	400				

Bibliography

There is some competitive to the proposed system these are

[1] <http://www.theshowbeacon.com/> [accessed 2014/02/02]

This is for American Rabbit and Cavy shows manages more than one show, and is commercial software

[2] <http://www.grandchampionsoftware.com/ShowProgram/> [accessed 2014/02/02]

This is American software and is licenced for payment on an annual basis, and is only

available on a Microsoft Windows platform.

[3] <http://showprogram.com/> [accessed 2014/02/20]

This is American and for Windows and Mac no demonstration or screen shoots this is commercial software.

[4] <http://laughingrabbit.com> [accessed 2014/02/02]

This is purely web based and is once again American, also addresses more than my project intends to do. Requires a Web site to run it on, the website indicates that the source code is available free of charge, and allows modifications, this looks to ambitious for a single person project modifications, especially being for the American Rabbit Breeder Association shows. The one good point is that it allows on line payment of fees although it is beyond the scope of my project's initial specification.

[5] <http://www.javacodegeeks.com/2012/11/java-regular-expression-tutorial-with-examples.html> [accessed 2014/01/05]

Used as source of guide to using regular expressions in Java, as it only at present to be used to validate ring numbers I thought it to be over kill, and can be validated in less processor intensive way.

[6] <http://www.thebrc.org> [accessed 2014/02/10]

The British Rabbit Council website where information about the rules and breed standard are available, membership can be obtained as all pedigree rabbits in a shop must be owned by a member of the BRC.

[7] <http://www.furandfeather.co.uk/> [accessed 2014/02/10]

The periodical for the small animal fancy hobbyist in the United Kingdom.