

Hoof 'N' Woof Horse Show Administration Program

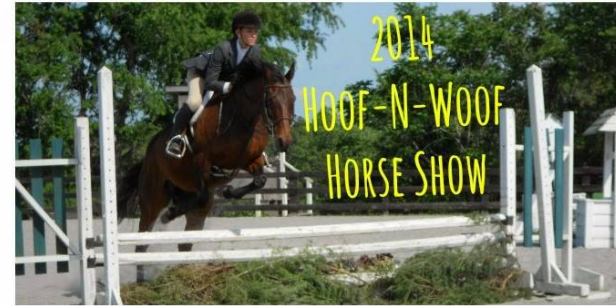
Shannon Darroch, Lalita Mallapragada,
Shivani Nathan, Gina Pappagallo, Rhea
Prahlad, Tarun Saharya, Anna Wu



The Team



Hoof-N-Woof 4-H Club



A black and white photograph showing a group of riders on horseback in a wooded area. The riders are positioned in a line, facing away from the camera, looking towards a dense forest. The horses are of various breeds, and the riders are wearing traditional equestrian attire. The scene is set in a clearing with tall trees in the background.

8:30 AM Rain or Shi

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Durbin Farm, 4443 Catterton Rd,

Judge – Davera Acken
VHSA Associate Show, Jennifer Da

Entry Fee \$14 Day of Show; \$

Entries may be faxed to 438-438-4384
or emailed to berthadurbin@berthadurbin.com

NEGATIVE COGGINS

HORSE: _____ OWNER: _____
 RIDER: _____ Jr. (18 or < as of 12/1/17) or Adult
 ADDRESS: _____ **VHSA:**
 (As on coggins) _____ Yes No
 E-mail address _____

For Secretary _____ Pre-Entry \$12/Class _____ COGGINS DATE _____
 1976 only: Day of Show \$14/Class _____ ACCESSION NO _____

Circle all classes you wish to enter. If you pre-enter and need to add more classes, you may add do so at the pre-entry price.

California Warm-up	1			Pre-Short Stirrup	23	24
Green Hunter/Pony	2	3	4	Western Pleasure	26	27
Thoroughbred Hunter	5	6	7	Horse Pleasure, Junior	29	30
Working Hunter	8	9	10	Hunter Pony Pleasure	32	33
Child/Adult Equitation	11			Pony Eq. on Flat	35	
Child/Adult Hunter	12	13	14	4-H Pleasure	36	37
Child/Adult Eq. on Flat	15			Short Stirrup	39	40
Horse Pleasure, Adult	16	17	18	Low Hunter	42	43
				Pony Equitation	45	
Showmanship	19	20	21	Pony Hunter	46	47
Leadline	22					

[illegible]

NOTE: FOR ALL PARTICIPANTS UNDER THE AGE OF 19 AS OF THE DATE OF THIS EVENT, THIS WAIVER AND ASSUMPTION OF RISK, MUST BE SIGNED BY THE PARENT OR LEGAL GUARDIAN OF THE UNDERAGE PARTICIPANT.

PARTICIPANT (PRINTED) _____ SIGNATURE _____

PARENT/GUARDIAN (PRINTED) _____ SIGNATURE _____

Please mail completed form by May 24 to: **Bertha Durbin**
4522 Catterton Rd. Free Union, VA 22940

OR Fax Form to: 434-973-
OR E-mail form to: bertha@earthlink.net

For 4-H Qualifiers Only: Name _____ Address _____

Club and County _____ Horse/Pony Name _____

2010 - Child	2010 - Youth	2010 - Adult	2010 - Senior	2010 - Family	2010 - Group	2010 - Other	2010 - Total
101 - 101	102 - 102	103 - 103	104 - 104	105 - 105	106 - 106	107 - 107	108 - 108
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2018 - Child. Horses 200 number:

Date	Time	Name	Age	Sex	Color	Breed	Height	Weight	Feeding	Exercise	Health	Notes
1/1/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/2/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/3/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/4/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/5/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/6/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/7/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/8/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/9/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/10/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/11/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	
1/12/18	10:00	John	10	M	B	Q	1.5m	500kg	100g	1h	Good	

1. CA Warmup

2. Green Hunter

310

3. Green Hunter

01F

en Hunter
u/s

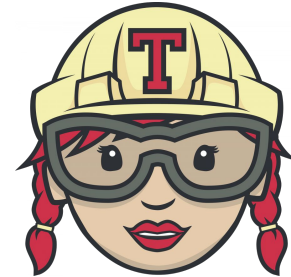


Overview of Requirements

- Organize relationships between horses, riders, shows, divisions, combos, and classes
- Add/Edit/Delete Models as needed
- Bill a horse-rider combination
- Organize and publish reports for 4-H and VHSA
- Create easy navigation for users with limited experience with technology
- Score classes and rank the Division Champion and Reserve Champion
- Print labels for the combos registered in the Show

Frameworks & Technologies Used

- Python 3
 - Pdfrw
 - Crispy_forms
 - Pyabel
 - ReportLab
 - Xlutils
- Django 2.1
- Bootstrap
- Git
- Travis CI





Significant Requirements Changes

- Printing a table of all the 4H horse-rider combinations
- The preregistration status is specified for each combo instead of each added class to a combo
- Adjusting certain model or form fields (e.g. making Horse's accession number alphanumeric instead of just numeric)
- Making the billing a combo page the same as the combo detail page



What Worked Well

- Pair Programming
- Frequent client communication to better understand requirements
- Shifting tasks based on who finished what or who was more eager to do
- Online communication (Slack)
- Scheduling meetings
- Getting along

Demo





Difficulties

- Migration issues
- Synchronization
- Travis CI and Unit Tests
- Using unfamiliar frameworks
- Working on the same features
- Adapting to changing customer requirements
- Understanding the navigation and terminology of horse shows



Overcoming Obstacles

- Pair Programming
- Frequently pushing code
- Using Trello to organize and coordinate work
- Pushing significant changes to a fork of master branch before directly merging
- Swarming on unfinished sections
- Debugging why Travis CI failed
- Cleaning user stories & defining minimum requirements carefully



Future Work

- Extending scoring capabilities
- Print Horse Show Program
- Online registration
- Hosting other types of shows
- Making the web pages more dynamic and responsive
- Adding icons to buttons
- Improved navigation



Acknowledgements

We would like to thank our client, the Hoof-N-Woof 4-H administration, particularly Bertha Durbin and Rebecca Adams who met with us on a bi-weekly basis to work with us on refining the requirements, clarifying horse show terminologies and rules, testing the application features and providing valuable feedback during the design process. Their cooperation and support along the way was crucial to the final outcome of our horse show administration application.

Questions?



<http://bit.ly/2Kn31uH>