

HoofTracker – A horse hoof measurement tracking tool

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Background

The natural trim is a proven humane, barefoot trimming method that mimics the natural wear patterns of wild, free-roaming horses (aka, the “mustang”) of the U.S. Great Basin. The natural trim “triggers” natural growth patterns just like we see in the healthy, sound hooves of wild horses.

Currently, several horse owners follow this philosophy, and they keep the tracking of the hoof growth as the farrier recommends. However, there is a lack of tools to store this kind of data and share it quickly in a community.

In this project, we want a web-based solution where users can register their horses and insert several values about the horse's hoof anatomy. Also, it is necessary to store and display pictures and the measurements in a personal dashboard.

Plan

1. Requirements definition for the platform to be developed.
2. Modeling and development
3. Testing and validation
4. Report writing

Required tools

- Web, HTML5, CSS, Javascript, Node.JS, Bootstrap, Grunt, React.JS
- Java or Python to develop RESTful API