

BFF Final Presentation

Two Buffoons and a Bassoon

Introduction

- Project overview
- Goals
- Project maintenance
- New development
- Demo
- Future development

Our Clients

- Dr. Susan Hess (primary client)
 - UI Bassoon Professor
 - The customer for all past iterations of this project
- Luke Bakken (pseudo-client)
 - Professional software engineer
 - Bassoonist with Spokane Symphony

What We Were Given

- Continuation of a previous senior design project
- Decent base to work from
 - desktop and mobile versions
 - Ruby on Rails-based web application
- Many existing issues
- A number of desired features

Initial Struggles

- Miscommunication about project nature
 - Not actually an iOS application
- Large learning curve with Ruby on Rails
 - Neither of us had any past experience
- Understanding the interaction between Heroku and Git/GitHub
- Setting up our development environments
 - Luke Bakken was very helpful in getting us going

Major Goals

- First phase:
 - Fix existing issues
 - Stabilize the existing code base
- Second phase:
 - Improving user interface/ease of use
 - Adding new functionality
- Produce a final product meeting customer expectations
 - Make the application useful in the bassoon community
 - Focus on the desktop version of the site

General Semester Statistics

- Preliminary examination of app
 - 29 issues discovered and logged
- ~130 commits
- 52+ files changed
- 36+ issues fixed
- 14+ new features

Bug Fixes

- Poor handling of empty search results
- Fingerings were publically visible when not approved
- Deleting a user caused app to crash
- Canvas link issues
- No authentication for changing user settings
- “Forgot your password” function was misleading
- Lots of little logic errors, broken links, cosmetic fixes and other minor bugs

New Functionality

- Search features
 - Changed display to meet client expectations
 - Added filtering for standard/alternate fingerings
 - Enharmonic results are displayed
- Lots of new user notices to inform user of events
- Prevent duplicate fingering entries in database
- Admin notification for fingerings needing approval

New Functionality

- All fingerings table - major refactoring
 - Removed unnecessary information
 - Simplified the fingering approval process
 - Re-organized, easier to find notes
 - Condensed display
 - New ways to view sets of fingerings for a note
 - Note display now conforms to musical standards
- Admin ability to add individual fingerings of trill
- Admin ordering for displaying most relevant fingerings first

Demo

- BFF hosted at:
 - bassoonfingeringfinder.herokuapp.com
- Demo is local version of app
 - Several new features not yet deployed to Heroku

Future Development

- Full site is functional and stable
 - Some features that would be desirable
 - Ability for users to interact more with each other in application
 - A user favorites system
 - Better/more intuitive rating system
- Mobile site
 - Still very buggy
 - Bring this up to speed with the full site

Summary

- General project description
- Early struggles
- Major goals
- Existing bug fixes
- New functionality
- Demo
- Future development

Questions?

Note: no bassoonists were harmed in the making of this application