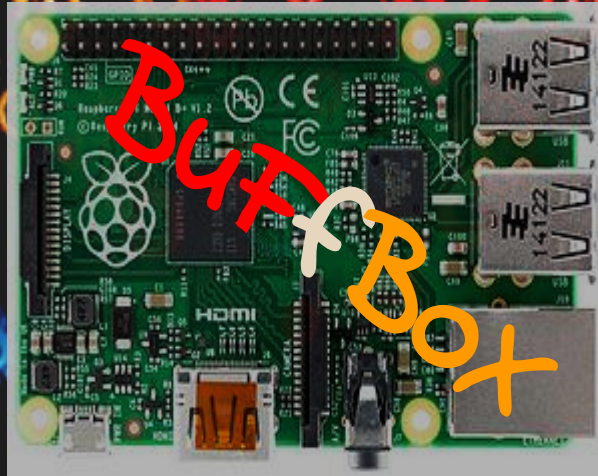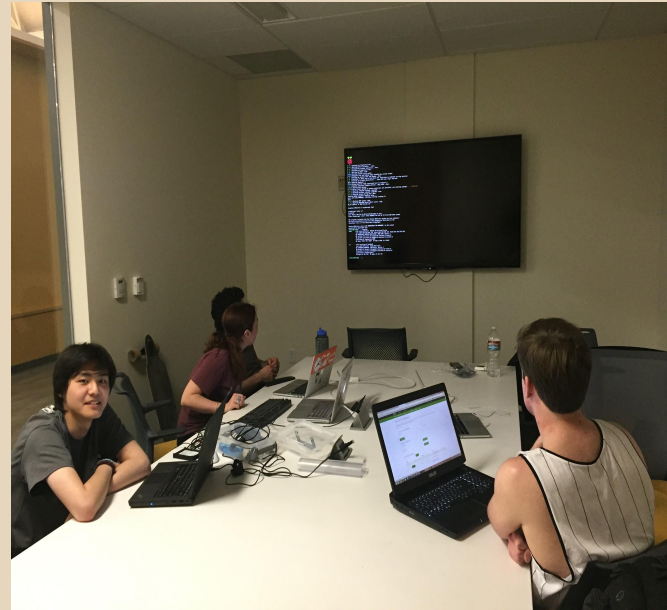Alternative

Different

BuffBox

Camilla Lambrocco, Adrian
Wong, Andrew Berumen, Conor
Walsh, John Anderson

# Methodology

Adapting to the challenges of busy and varied schedules we ended up combining several methodologies.

## Methodologies Used

-**Waterfall** - employed to follow the "parts" of the project

-**Agile** - broke up the "parts" of the project into more manageable components

-**Pair Programming/Peer Code Review** - when coding we used each other as much as possible to improve the velocity and accuracy of our work

## waterfall - 3

-Followed the project "parts" sequentially

## Agile - 5

-we broke up work within the project "parts" to leverage our group's skills as efficiently as possible



BuFf BoX.

# "Unit" Methodology

## Pair Programming - 4

## Peer Code Review - 4

-we further combined these two methodologies

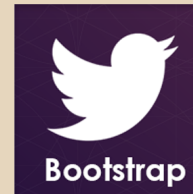-we set up weekly group meetings where we employed both pair programming and peer code review

# Tools we used

# "Global" Tools

## Project Tracker- Trello

-Rating: 4

-Pros: Kept everything well organized

-Cons: a little too simplistic at times

## Repository - GitHub

-Rating: 4

-Pros: powerful - we could use it to do a lot

-Cons: bit of a learning curve; clunky and at times redundant

BuFf
BoX.

## Database-MySQL

-Rating: 4

-Pros: very powerful

-Cons: learning curve -
almost a programming
language

## QTCreator

-Rating: 4

-Pros: useful features (like
libraries); user friendly

-Cons: difficult to customize

Qt Code less.
Create more.
Deploy everywhere.

# "Design" Tools (Part 2)

## JSFiddle

-Rating: 4

-Pros: user friendly; quality user interface

- Cons: None identified

## Bootstraps

-Rating: 5

-Pros: useful - made cross platform compatibility possible

- Cons: None Identified

## Auto-documenter-Doxygen

-Rating: 5

-Pros: simple, powerful, useful

-Cons: not as effective with certain languages (PHP)
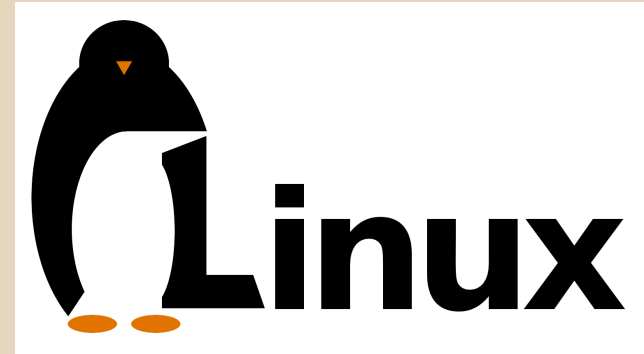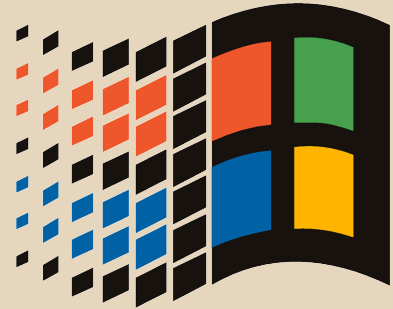
## Testing-PHPUnit

-Rating: 2

-Pros: none

-Cons: really confusing, clunky, and not very useful

# Deployment Environment

- Tested on different machines:
LINUX, WINDOWS, MAC and MOBILE
  - Dynamically Coded
- we ended up with no distribution plan because our product was strictly implemented by the Buffbox Team
- **Updated versions** will be accessible on our VCS

# Overcoming Challenges

## Organizational Challenge

Challenge: How do we more effectively organize and communicate when group members have very disparate schedules?

Solution: Use TOOLS like Trello, Google Hangouts, and Google Docs/Slides, to better communicate and organize group action. Also, having consistency in group interactions.

## Technological Challenge

Challenge: How do we more effectively use the varied skill sets of our group members to accomplish our technological goals?

Solution: by using TOOLS like Github and METHODOLOGIES like agile, pair programing and peer code review we were able to take best advantage of our different skill sets

# Demonstration