The Pokémon Project

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# Project Summary and Background

## The World of Pokémon

 This project was designed around the idea that even if you do not understand the world of Pokémon, anyone can learn. A Pokémon has multiple characteristics within the video games surrounding them. This includes a cool and unique ability, multiple stats, natures that define the characteristic of the Pokémon and typing that defines what a Pokémon is. Within a Pokémon game, the common goal of a user is to train up the Pokémon that they caught and battle against other users within the game. The Concept of the Final Project is to help people learn and understand the proper way to win battles against other players.

## The OUBL and why it is Crucial to the Final Product

 Within Ohio University, I have friends. The common interest within this friend group is competitive Pokémon battling. Once we all agreed on timing, the Ohio University Battle League was established and created a draft league format for Pokémon. To make everything as legitimate as possible, a Spreadsheet was designed around our league for how we can improve our battling capabilities.

## The Power of Spreadsheets

 With over twenty sheets, and growing, the OUBL Season One google sheets page is codependent between each other. Referencing multiple sheets and data validation defines everything you need to know about these sheets. From team statistics to individual Pokémon performances, This handy google sheets tool will help anyone within the draft league format learn how to play quickly!

## Overview of the Final Product: the Best Website on the Internet

 With an established spreadsheet and a common goal to help everyone learn the Competitive format of Pokémon, The project’s website was born!

# Technical Requirements

 The chart below describes all of the necessary tools required to build and run the website!

|  |  |  |
| --- | --- | --- |
| Category  | Technology | System Requirements |
| Server | Linux Apache  | All web browsers |
| Developer Software | Netbeans | he minimum supported JDK version for JavaFX 1.3.1 is JDK 6 Update 20 for Windows and JDK 5 Update 16 for Mac OS. |
| Data Development Software | Google Sheets | Google Drive Access |
| Data Gathering Software | Showdown! An online Battle Simulator  |  |
| bulbapedia | Webpage Encyclopedia for Pokémon | All web browsers |
|  |  |  |

# Timelines

 The Timeline chart posted below accurately demonstrates which parts of the website were designed and build throughout the duration of this final project.

|  |  |  |  |
| --- | --- | --- | --- |
| Phase | Start Date  | Description | Length  |
| Initialization | 11/1/17 | Initial daft idea for layout | 2 days |
| Coding | 11/3/17 | Actual coding portion for project. | All the way up until 12/13/17 |
| Final Presentation | 12/13/17 | Project Presentation to the rest of the class  | Estimated Time: 2 Hours |

# Skills Developed During the Project

 All of the skill types listed below were increasingly built throughout the duration of the final project. All of these skill types were taught at some point within the semester and proved to be valuable assets to have if you are pursuing a career with heavy technology use.

|  |  |  |
| --- | --- | --- |
| Skill Type | Developed Skill  | Project Application |
| Website development | The basic understanding of how HTML files work in relation to web browsers and the CSS files. | The overall concept of the final project was to produce a website. |
| Spreadsheet Development | Learned to design and format spreadsheets in a unique way for people to follow and understand. | Finishing up touches for the Pokémon spreadsheet link attached on the website. |
| Online Usage  | Understanding what is acceptable to use and not to use on the internet. | Understanding what was limited to add as my own content on the website as well as give copyright claims appropriately to others’ content. |

# Description of Project Products

|  |  |  |  |
| --- | --- | --- | --- |
| Product Type | Product Name | Description | Access Instructions |
| HTML Files | Hypertext Mark-up Language | Standard file type used for developing single web pages. | In-class assignments and w3schools |
| CSS Page | Cascading-style Sheet  | Designed to format HTML files and make then look pretty. | W3schools |
| SpreadSheet development  | OUBL Season One Spreadsheet | Spreadsheet designed to keep track and develop skills within a Pokémon league. | Already designed before class but built on through lessons learned within in class assignments. |

# Ideas of Further Development and Improvement

### The Spreadsheet

 As the website was being developed, The OUBL was currently in the middle of a season and not all the necessary data was fully entered to show a complete Google Sheets project.

### Continuous Updating with the League

 As we continue as an organization, more members will be able to contribute to the spreadsheets growth. This will help the website serve its purpose in helping others learn to play Pokémon in a competitive fashion.

### Expansion and Refinement

 The Sheets will be restructured and further improved to accommodate any necessary changes made within the Pokémon games or community.

## The Website

### Updated Server and Domain

 When the website was created and published, it was run through the free school provided server of CCAC Allegheny Campus District. In the future, the website will have its own respective domain name and server.

### Continuous Updating in Relation to the Spreadsheet

 As the spreadsheet grows, the website will accurately reflect these changes making the final project finished but the website will always remain unfinished.

### Expansion and Refinement

 Hopefully as the website grows in popularity, other contributors can add to it making its purpose as a learning tool more effective.