Project Deployment Plan

**Resources Needed:**

* Access to database
* Access to social media
* Client computer
* Backend Controls
* Internet access
* Payment Plan
* Backup Plans
* Software that is needed for the program to work (Web browsers, operating systems…)

**Requirements:**

Product will be installed on the web host provider that can accommodate Wordpress. A working internet connection is required in order to access the web host provider. A domain name is also required to be registered and associated with the account on the web host

Web Host Requirements

* Linux cPanel
* phpMyAdmin and MySQL
* Access to File Manager
* Ability to host Wordpress v 5.2.4 or later
* Enough Storage space to host product
* Domain name

Website content (pages, media, etc.)

* Will be programmed in HTML, CSS, Javascript and PHP

**Developing/Staging the Product**

All product files (database and webpage content) will be stored on the Github for development purposes. Customer will be able to request access to the repository to participate in development and utilize for contingency plans.

In order to stage the product, the Github repository will be associated with the web host account via cPanel – Git Version Control and accessible through the File Manager. The repository can be found in the \home directory under

Alternatively, files can be transferred via FileZilla/FTP connection if needed.

**Deploying the Product**

After the product is finalized in the Github repository:

* Asscociate domain name to web host account
  + Ensure DNS record is pointing to appropriate IP address
* Prepare documentation (User Manual) for the product
* Create manuals for installation, backup and recovery of Wordpress and content
* In File Manager, copy files from repository folder to their appropriate folders under \home\public\_html
* In phpMyAdmin, import database files to their appropriate
* Ensure website is in Live mode

**Uninstalling and Deactivation**

* Request approval from stakeholders beforehand
* Create plan to deactivate and uninstall the product
* Clearing important and sensitive information from the database
* Removing the product files from the web host account under public\_html
* Creating a backup plan in case product needs to be recovered
* Remove domain name from account

**Accessing the product**

Product will be accessed via a web browser (Google Chrome, Mozilla Firefox or Microsoft Edge)

* Create and go over the plan with clients to see how the installation process is going to work
* Double check to see if everything needed by the users are ready
* Confirm copyright information for deployment of the program
* Users will enter website URL into the browser
* User will have to install JavaScript plugin for web browser
* A working Internet Connection is required
* Website will be mainly used in Desktop Mode

**Training the Users**

* User will have in application in beginning to find out their current skills
* User will have trial in the beginning to show how to use the website
* User will have trial game to make sure they know how to play and the score is not going to be counted toward the report

**Communication Plans**

* Users
* Guests
* Parents
* Admin
* MVA/DOT User

**Recovery Plan**

* Inform the users, remove the website, the game and make a temporary website detailing the website is under maintenance
* Make regular backups of website
* Create a timeline to make the website up and running
* Make sure to have a backup copy, will backups being taken at regular intervals
* Fix the problem and implement the new version

**Maintaining and Updating Versions of the System**

* Seeing what updates are available and the resources required for the update
* Having a working backup plan
* Discussing what levels of update should be applied and if needed
* Update education content and other information on website as needed