

AMPL Publishing Software

All the items in part 1 will need to be installed and possibly configured for team members to be able to effectively work on the project. I have provided the links to the corresponding websites they can be found.

Part 2 is for your reference so you know what type of technologies are currently implemented in the project so that you can take advantage of them.

Part 1

Development Software

WampServer - A Windows web development environment. It allows you to create web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows you to manage easily your databases.



This is the local web server that each team member will be using to run the site's PHP code and the MySQL database. PhpMyAdmin can be used to view/modify database contents.

<http://www.wampserver.com/en>

Version Control

SourceTree - A free Git & Mercurial client for Windows or Mac.



SourceTree is a git client GUI used to get/upload any modifications to the website's repository on the Bitbucket server.

<https://www.sourcetreeapp.com>

Bitbucket - Distributed version control system.

Bitbucket is used as the repository server. It is used in conjunction with SourceTree to add/combine modifications.



You need only to make an account on Bitbucket and then your username to us. Once you do we can grant you access to the repository and then you will use SourceTree to download the repository to your local machine.

<https://bitbucket.org>

Dependency Software

Node - a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.



Node is used to install bower and composer.

<https://nodejs.org>

Bower - Dependency Manager for JavaScript and CSS.

This is used to add new JavaScript and CSS packages. It has been used to add bootstrap and angular to the project and should be used to add additional packages.



<http://bower.io/>

Composer - Dependency Manager for PHP.

Composer is used to install the website's PHP dependencies as they are not inherently included in the repository. This would be, for example, the PayPal libraries.



When you first download the repository you'll need to do a composer install for everything to work.

<https://getcomposer.org>

Part 2

Web Frameworks

Laravel - A web application framework with expressive, elegant syntax. Laravel attempts to take the pain out of development by easing common tasks used in the majority of web projects, such as authentication, routing, sessions, queueing, and caching.



<https://laravel.com>

AngularJS - an open-source web application framework mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single-page applications.



Bootstrap - the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.



Additional Web Libraries

Font Awesome CSS - <https://fontawesome.github.io/Font-Awesome>

jQuery - <https://jquery.com>

Hover.css - <http://ianlunn.github.io/Hover>