**Development Platform**

**Methodology**

1. Agile Development

**Languages**

Below are the programming languages that will be used to develop the front-end and back-end of the website:

1. HTML
2. CSS
3. JavaScript
4. PHP
5. SQL

**Software/Tools**

1. Microsoft Word

We will use Microsoft Word to create all documents and reports related to the project.

1. StarUML

We will use StarUML to model and produce use case diagram, class diagram, and entity relationship diagram of this project.

1. MySQL

We will use MySQL, a relational database management system based on SQL, because it is open source, reliable, and easy to manage.

1. XAMPP

We will use XAMPP to run a web server and database on the computer localhost for developing and testing purposes of the website. XAMPP will also enable us to

1. PhpStorm

PhpStorm is a cross-platform IDE for PHP built by the company JetBrains. We choose to use this IDE because it provides an editor for PHP, HTML, CSS, and JavaScript with auto-completion and error debugging.

1. Adobe Photoshop

We will use Photoshop to edit images that will be used in our website design.

1. GanttProject

We will use GanttProject to create the Gantt chart of our project.

1. Trello

We will use Trello to manage and keep track of the tasks in this project.

1. Git and GitHub

We will use the combination of Git and GitHub to do the version control system of our project. We also use GitHub as the collaboration tool between the project members during the development of the system.

1. Google Chrome

We will use Google Chrome browser for testing purposes of our project. We choose Chrome because it is the most commonly used browser and we only need to do minor adjustment in Chrome in order for the website page to appear nicely in another browser.

**Hardware**

1. Laptop and PC

The development of this system will be done using laptop and PC running Windows operating system.

**Demonstration Platform**

**Software**

1. Web browser

We choose Google Chrome, Mozilla Firefox, and Microsoft Edge as the demonstration platform for our website because those three are among the most common browsers used now days. We are also considering Microsoft Edge since we are developing the website in PC that run Windows.

**Hardware**

1. Laptop and PC

The website is intended to be opened from a laptop or a PC that have one of the browsers mentioned in software platform installed.

1. Smartphone

Our website is also intended to be opened from a smartphone device browser.