

Chapter 2

SYSTEM REQUIREMENTS

2.1 SOFTWARE

- Back end: JavaScript (JS), Hypertext PreProcessor (PHP)
- Frontend: MySQL, Cascading Style Sheets (CSS), Hypertext Markup Language (HTML)

MySQL

MySQL is a popular open-source relational database management system (RDBMS) that is widely used in web development and other applications. It is known for its reliability, ease of use, and performance. MySQL supports a wide variety of data types and can be used with many programming languages, including PHP, Python, and Java. It is often used in conjunction with the LAMP stack (Linux, Apache, MySQL, and PHP) for web development. MySQL is supported by Oracle Corporation and is available for free under the GNU General Public License.

Hypertext PreProcessor

PHP (Hypertext PreProcessor) is an open-source, server-side scripting language that is widely used for web development. It is particularly well-suited for creating dynamic web pages and can be embedded directly into HTML code. PHP can be used to perform a wide range of tasks, including connecting to and querying databases, handling form data, and creating sessions. It also has built-in support for working with cookies and sessions and can be used in conjunction with various web frameworks such as Laravel, CodeIgniter, and Yii. PHP can be run on most web servers and is compatible with a wide variety of operating systems, including Windows, Linux, and macOS.

JavaScript

JavaScript is a programming language that is widely used to create interactive and dynamic web pages. It is a client-side scripting language, which means that it runs on the user's web browser rather than on a web server. JavaScript can be used to add interactivity to web