**CHAPTER VI**

**SYSTEM CODING (PROTOTYPE)**

1. **PROGRAMMING LANGUAGE**

The proponents used JavaScript to develop a [web application](https://www.xicom.biz/offerings/web-development/)  and make dynamic and interactive web page by implementing custom client-side scripts. In Graphical User Interface, the proponents uses HTML which works well across various browsers, platforms, and devices by combining JavaScript and CSS for adapting some various web page presentation like colors, fonts, and layouts. It also use PHP to create a web page that mostly commonly used for Website and Web Application Development. PHP is a general purpose, server-side scripting language run a web server that's designed to make dynamic pages and applications. PHP as a web development option is secure, fast and a reliable that offers lots more advantages to make it accessible to a lot of people. The proponents used this language to enable developers to develop a user friendly interface and to build an easy to use system.

1. **SPECIFIC PURPOSE LANGUAGE TOOLS**

The proponents used SQLyog as the back end of our system. SQLyog is the most powerful MySQL administration tool for DBAs, GUI Tools, developers and database architects. It is developed by Webyog, Inc. SQLyog provides a full graphical interface to make using MySQL's powerful features simple even for beginners. SQLyog's intuitive graphical user interface makes managing all aspects of your MySQL databases easy. It is also able to handle databases of all sizes and can use SSH an HTTP tunnelling to make remote access simple and secure.

The proponents used Sublime Text Editor as the front end of our system in creating codes. Sublime Text Editor is a [proprietary](https://en.wikipedia.org/wiki/Proprietary_software) [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [source code editor](https://en.wikipedia.org/wiki/Source_code_editor) with a [Python](https://en.wikipedia.org/wiki/Python_(programming_language)) [application programming interface](https://en.wikipedia.org/wiki/Application_programming_interface) (API). It natively supports many [programming languages](https://en.wikipedia.org/wiki/Programming_languages) and [markup languages](https://en.wikipedia.org/wiki/Markup_languages" \o "Markup languages), and functions can be added by users with [plugins](https://en.wikipedia.org/wiki/Plugins), typically community-built and maintained under [free-software licenses](https://en.wikipedia.org/wiki/Free_software_licenses). Sublime Text is a sophisticated text editor for code, markup and propose. It is a powerful, Python [API](https://www.sublimetext.com/docs/3/api_reference.html) that allows plugins to augment built-in functionality.