Chapter-4

Stage of the SDLC

The third phase of SDLC is the implementation and coding of SDLC process. It is the most exciting phase of the development on which the idea of an individual for the project becomes something tangible. The developers begin with building and coding the system. The basic role of coding is to convert the design into the code using some programming languages. The well-developed code in this phase helps to reduce the testing effort and maintenance.

Things needed to take care in this phase:

* Version of the application.
* Suitable developing tool which are easier for debugging, coding, designing or modifications.
* Appropriate comments should be written to understand the logic behind the code.

For the implementation of sports management system, I have used following attributes.

**Programming Language: PHP**

The reasons behind using the PHP programming language are:

1. Easy to use:

It is often easy to learn within the short duration of time and the syntax used are quite similar and familiar to other programming language like C.

1. Speed:

It supports the quick loading websites.

1. Stability:

PHP has come to in an existence over twenty-years and many developers worked on to enhance the usage of application. During such processes, the identified bugs are fixed and hence it can be useful for fixing the bugs quickly in my project.

1. It is cheap and offers great functional modules like graphics or pdf or extension libraries.

**IDE: sublime**

The reasons behind using the sublime text editor are:

1. Good color coding.
2. Autocompletion and syntax highlighting.
3. Customizability:

It allows for the higher integrated packages like find, install, upgrade plugins directly from the editor.

1. It loads instantaneously and is fast and stable.
2. Simultaneous editing and search functionalities.