# Chapter-4: Implementation

## 4.1 Introduction

Implementation is the 3rd Phase of software development lifecycle. Coding is the process which is done based upon analysis and design. After planning the features and functionality the real working system is done in the phase of coding and also gathering the requirement specification, this phase is build a new product in software by using various tools and techniques.

## 4.2 Coding Language

To construct the framework we need to pick one programming language. Among numerous languages I rise toward PHP. It represents Hypertext preprocessor; it is a server side language utilized by web engineers to keep up the back end of the framework. This language move the information from front end to the database. I choose PHP in the fact that it is appropriate for creating online or web applications.

## 4.3 Framework

The structure or framework utilized while building up the application is Laravel. It follows Model-View controller design to build up the online applications. Following are the advantage utilizing laravel:

* It is used for creating authorization and authentication system.
* It makes web apps faster by integration with tools.
* It handles configuration error.
* Features of composer is available in laravel.

For keeping up the database, I have utilized MySQL. It is used to communicate with database.

## 4.4 Tools used

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I have used following tools for system implementation:

1. For editing code, I have used **PHP storm and Sublime text.**
2. For running and also scripts testing, **google chrome** is used.
3. For hosting a server, Xampp is used.