

Blazar

**Your name Tariq Horan**

**Your student number N00202437**

Software Project

CA 2 – Develop a PHP shopping cart website

Year 2 2021-22

DL836 BSc (Hons) in Creative Computing

# System Design/ Architecture Overview

* 1. Introduction

### What is Laravel

Laravel is a web application framework that aids the development of projects by allowing programmers to access databases, make routes to different webpages etc.

### What Version

The version of Laravel that I am using is Laravel 8

### Dependencies

Laravel uses composer to download packages that allows Laravel to run, Laravel also uses MySQL to access databases that serve the webage

### Benefits

Laravel is quick and simple, although there is a lot of folders and files to get lost in once you get used to the application you find it is very powerful. Having everything in the on place allows users to make great applications.

* 1. Model View Controller

To start off the process the browser sends a request to the Controller. The controller then communicates with the model and exchanges data when that’s done, the View will send its final presentation to the Controller and the Controller will then display that data from the user to interact with

* 1. User Authenticaion

Explain how user authentication is implemented in the web application framework.

Laravel has a built in authentication feature that uses the attempt method, it allows user to enter an email and password that has to meet a character requirement. This can also be done manually.

* 1. Routing

The route application requests to a certain controller and the route accept a URL

* 1. Templating

The templating engine used in Laravel is blade. Blade is based off php and has a very similar syntax it also lets you use plain php while some templates don’t.

A diagram of a flowchart

Description automatically generated with low confidence