



**BANGALORE UNIVERSITY**

PROJECT SYNOPSIS

ON

**“Photography management System”**

BACHELOR OF COMPUTER APPLICATION

BY

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# **PHOTOGRAPHY MANAGEMENT SYSTEM**

## **INTRODUCTION:**

Photography is a powerful art because it can capture memories as it is. This project focuses on that art, where the users can book photographers for their events and also explore the world of photography.

## **OBJECTIVE AND SCOPE:**

- To create a system that allows customers to book photographers for events.
- To make the whole process quick, easy and convenient.
- It is user friendly, so that any person using it will not face any difficulties when operating it.
- Has facilities that allow users to view menu, book photographers, buy framed photos, accessories for photography, filters for photos, submit photos to edit it according to their personalization and also access the photos of their events as soon as they login.
- Data redundancy is avoided.
- Less time consuming.
- Increase the efficiency of the system.
- Customer can give special instructions to the according to his/her needs.

## **SYSTEM REQUIREMENTS:**

### **SOFTWARE COMPONENTS:**

- Frontend development: HTML, CSS, JAVASCRIPT
- Backend development: PYTHON(DJANGO), SQL
- Integrated development environment: VS CODE
- Operating system: Windows 11

## **Introduction to Frontend technologies:**

### **HTML:**

The Hypertext Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document..

### **CSS:**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility; provide more flexibility and control in the specification of presentation characteristics; enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, which reduces complexity and repetition in the structural content; and enable the .css file to

be cached to improve the page load speed between the pages that share the file and its formatting.

## **JAVASCRIPT:**

JavaScript often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. As of 2022, 98% of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices.

JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard. It has dynamic typing, prototype-based object-orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

## **Introduction to Backend Technologies:**

### **Django:**

Django is a free and open-source, Python-based web framework that follows the model–template–views (MTV) architectural pattern. It is maintained by the Django Software Foundation (DSF), an independent organization established in the US as a 501(c)(3) non-profit.

Django's primary goal is to ease the creation of complex, database-driven websites. The framework emphasizes reusability and "pluggability" of components, less code, low coupling, rapid development, and the principle of don't repeat yourself. Python is used throughout, even for settings, files, and data models. Django also provides an optional administrative create, read,

update and delete interface that is generated dynamically through introspection and configured via admin models.

## **Microsoft SQL Server:**

Microsoft SQL Server is a relational database management system developed by Microsoft. A database server, it is a software product with the primary function of storing and retrieving data, requested by other applications, which may run either on the same computer or on other computer across a network (Including the internet).

## **INTRODUCTION TO VISUAL STUDIO CODE:**

Visual Studio Code, also commonly referred to as VS Code, is a source-code editor made by Microsoft for Windows, Linux and macOS.

Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality.

In the Stack Overflow 2021 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool, with 70% of 82,000 respondents reporting that they use it.

## DATA FLOW DIAGRAM:



