**Bigbasket Clone System**

**A MINI PROJECT REPORT**

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE IN-HOUSE INTERNSHIP

CUM TECHNICAL TRAINING

**Master of Computer Application**

MCA

**SUBMITTED TO**

**Dayananda Sagar College of Engineering**

**Department of MCA**

**SUBMITTED BY**

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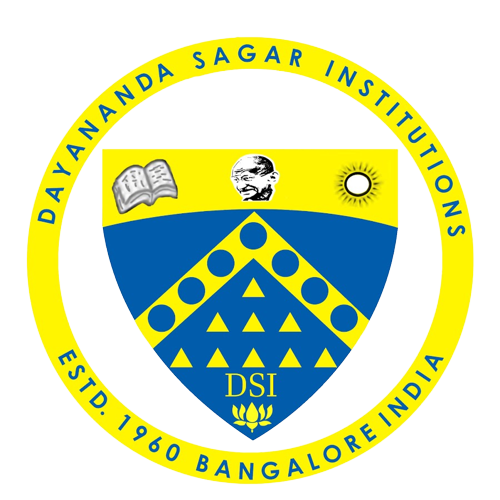
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**SUPERVISED BY**

Prof. Mahendra Kumar

Internal (MKB) and External (Shipla)

May 2023



**Dayananda Sagar College of Engineering,**

**Department of MCA, Bangalore**

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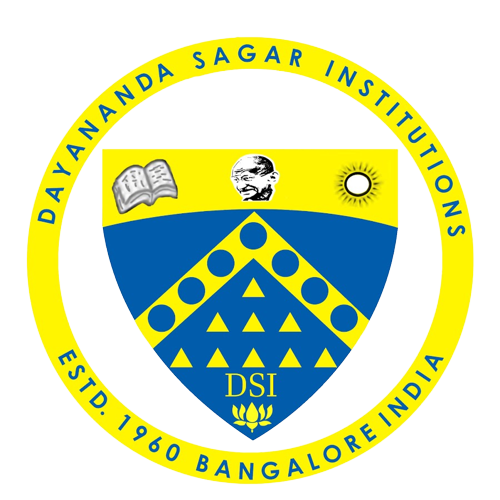
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Varun M

Sam Manasseh

# CERTIFICATE

I hereby certify that the work which is being presented in the MCA, Mini Project Report entitled **“Bigbasket Clone System”,** in partial fulfillment of the requirements for the award of the In-House Internship cum Technical Trainingand submitted to the **Department of MCA, Dayananda Sagar College of Engineering, Bangalore** is an authentic record of my own work carried out during a period from **April 2023 to May 2023** (IV **semester**) under the supervision of **Prof. Mahendra Kumar,** **Department of MCA**.

The matter presented in this Project Report has not been submitted by me for the award of any other degree elsewhere.

**Rakesh GK**

**Varun M**

**Sam Manasseh**

This is to certify that the above statement made by the student(s) is correct to the best of my knowledge.

***Signature of Supervisor(s)***

**Prof. Mahendra Kumar Date : - 04 /May/2023**

**Signature**

**CONTENT**

|  |  |  |
| --- | --- | --- |
| **SL NO** | **PARTICULARS** | **PAGE NO** |
| **01** | Introduction of Bigbasket   * 1. Basic Introduction of Project   2. Objective and Scope   3. Project category | **07** |
| **02** | Tools and Technologies Used | **07** |
| **03** | Internet Information Server [ IIS ]  3.1 Features of IIS | **08** |
| **04** | System Analysis  4.1 Analysis & Information gathering  4.2 Hardware Interface  4.3 Software Interface  4.4 Communication Interface  4.5 Functional Requirements  4.6 Non-Functional Requirements | **09** |
| **05** | Screenshots  6.1 Login Page  6.2 Home Page  6.3 About Us  6.4 Safety  6.5 Help | **22** |
| **06**  **07**  **08**  **09**  **10** | Coding  Testing  Implementation  Conclusion and Future Enhancement  Reference | 27  35  38  38  40 |

**INTRODUCTION**

**Basic Introduction of Project**

Bigbasket is an E-commerce web application. E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing websites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping grocery on the web is becoming commonplace.

This project aims to develop a general-purpose e-commerce store where any grocery can be bought from the comfort of home through the Internet. However, this paper will deal with an online grocery shop for implementation purposes. The Big Basket is expanded permanently through new products and services in order to offer a product portfolio corresponding to the market. Private customers and business customers can order the selected grocery of the BigBasket service online quickly and comfortably.

**Objective and Scope**

The main objective of this application is to ease the purchase of groceries with ease of use with a web application.

**Project Category**

BigBasket is a web-based application. The web application is a software package that can be accessed through the web browser. In computing, a web application or web App is a client-server software application that the client (or user interface) runs in a web browser.

**Tools and Technologies used**

**Frontend**: HTML, CSS, BOOTSTRAP5 and Javascript.

**Internet Information Server [IIS]**

IIS server includes a broad range of administrative features for managing web sites and the web server. you can create and deploy scalable, flexible web applications.

**Features of IIS:**

Support of Internet standards:

The features include HTTP support and standard internet services such as:

* World Wide Web (WWW): It supports HTTP allowing users to publish content to the internet. Files can be placed in folders on our websites so that users can view them with a web browser. We can install business applications and publish them in HTML.
* File Transfer Protocol: It is an industry-standard protocol used for transferring files between computers on a TCP/IP network. FTP enables to use one computer to host multiple domain names.
* Simple Mail Transfer Protocol (SMTP): It is a standards-based, secure and scalable email server. It supports a distributed email server using SMTP and Post Office Protocol (POP3).

**SYSTEM ANALYSIS**

**Preliminary analysis & Information gathering**

**Preliminary analysis is defined as the initial process at the start of a project that determines whether the concept is viable.**It looks at economic, market, industry and social trends that influence the success of business endeavors associated with a proposed strategy. Preliminary analysis is repeated in situations where primary investigations trigger updates to plans.

Risk analysis and cost assessments are critical parts of the preliminary analysis phase. This gives leaders an idea of where the major concerns lie in a project. As it is impossible to rule out all problems in the project management life cycle, it is important to anticipate as many of these factors as possible with preliminary analytics.

**INFORMATION GATHERING**

It is the process of collecting information about something. Allow plenty of time for information gathering as well as for making necessary applications for financial support. Information gathering is carried out by surveying information about similar applications.

**Feasibility Study**

**Hardware Interface**

Processor : Intel i3, AMD 3 or higher

RAM : 4GB or higher

Hard Disk : 40GB or higher

Speed : 1.2 GHz or higher

**Software Interface**

Operating System : Windows 7 or Higher

IDE : Visual Studio

Language : HTML, CSS, Javascript

Framework : Bootstrap5

**Communication Interface**

## Bigbasket web application shall use the HTTP protocol for communication over the internet and for the internet communication will be through TCP/IP protocol suite.

## Functional Requirements

In software engineering and systems engineering, a functional requirement defines a function of a system or its component. A function is described as a set of inputs, behavior, and outputs. It should include descriptions of data to be entered into the system, operations performed by each system, workflow performed by the system and also how the system meets applicable regulatory requirements.

**Modules**

**Home**:

Whenever the user will open the site user must have to click on the Home module to view all the information about the services provided by Big Basket.

Users will get all the information on the Home page and they can get access to it and view all the services provided by Big Basket and also about ordering & detailed information related to groceries etc.

### About Us:

In this module, the user can gain more detailed information such as history, services, timings and nearest store address etc of the big basket.

### Login:

The user must create a new account or log in to an existing account to order the products on bigbasket.com. They can log in to the site either using an E-mail Id or Phone Number.

**Products:**

The customer can view different variety of products in a simplified manner according to their applied filters such as shops by cateogory, price, offers etc.

### Contact Us:

The user can Contact through this module by sharing their information and details in the given form to escalate and resolve any issues.

**Green BigBasket:**

This module will give an idea of the initiatives taken by Bigbasket towards environment and pollution control. It includes **Packaging-free Produce, Electric delivery vehicles etc.**

**Non-Functional Requirements**

**Performance requirements**

The system shall be based on the web that has to be run from the web server. The system shall take an initial load time depending on the internet connection strength which also depends on the media from which the system is run. The performance shall depend upon the hardware component of the client/customer

**Design Constraints**

The system shall be built using standard web page development too. The system must be stored in such a way that allows the client easy access to it. Response time for loading the system should take no longer than a few minutes

**SCREENSHOTS**

**TESTING**

Software testing is performed to verify that the completed software package functions according to the expectations defined by the requirements/specifications. The overall objective is not to find every software bug that exists but to uncover situations that could negatively impact the customer, usability and/or maintainability.

**PURPOSE OF TESTING**

* Finding defects that may get created by the programmer while developing the software.
* To prevent defects.
* To make sure that the end result meets the business and user requirements.
* To ensure that it satisfies the BRS that is Business Requirement Specification and SRS that is System Requirement Specifications.
* To gain the confidence of the customers by providing them with a quality product.

**TYPES OF TESTING**

There are two types of testing. They are:

1. White Box Testing

2. Black Box Testing

**WHITE BOX TESTING**

**It is a software testing method in which the internal structure/design/implementation of the item being tested is known to the tester. The tester chooses inputs to exercise paths through the code and determines the appropriate outputs. Programming know-how and implementation knowledge are essential. This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees. Internal software and code working should be known for this type of testing. Tests are based on coverage of code statements, branches, paths, and conditions. Also known as structural testing and Glass box Testing.**

**BLACK BOX TESTING**

Internal system design is not considered in this type of testing. Tests are based on requirements and functionality. This method is named so because the software program, in the eyes of the tester, is like a black box; inside which one cannot see. Black box testing is a testing technique that ignores the internal mechanism of the system and focuses on the output generated against any input and execution of the system. It is also called functional testing.

**LEVELS OF TESTING**

There are four **levels of software testing.**

**1. UNIT TESTING**

**Unit Testing is a level of the software testing process where individual units/components of a software/system are tested. The purpose is to validate that each unit of the software performs as designed.**

**2. INTEGRATION TESTING**

Integration Testing is a level of the software testing process where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units.

**3. SYSTEM TESTING**

System Testing is a level of the software testing process where a complete, integrated system/software is tested. The purpose of this test is to evaluate the system’s compliance with the specified requirements.

System Testing is a level of the software testing process where a complete, integrated system/software is tested. The purpose of this test is to evaluate the system’s compliance with the specified requirements.

**4. ACCEPTANCE TESTING**

Acceptance Testing is a level of the software testing process where a system is tested for acceptability. The purpose of this test is to evaluate the system’s compliance with the business requirements and assess whether it is acceptable for delivery.

Acceptance testing or User Acceptance Testing (UAT) is a level of the software testing process where a system is tested for acceptability. The purpose of this test is to evaluate the system’s compliance with the business requirements and assess whether it is acceptable for delivery.

User Acceptance Testing (UAT) is performed by Users or on behalf of the users to ensure that the Software functions in accordance with the Business Requirement Document. UAT focuses on the following aspects:

* All functional requirements are satisfied.
* All performance requirements are achieved.
* Other requirements like transportability, compatibility, error recovery etc. are satisfied.
* Acceptance criteria specified by the user is met.

**REGRESSION TESTING**

The purpose of regression testing is to confirm that a recent program or code change has not adversely affected existing features. Regression testing is nothing but full or partial selection of already executed test cases which are re-executed to ensure existing functionalities work fine. This testing is done to make sure that new code changes should not have side effects on the existing functionalities. It ensures that old code still works once the new code changes are done.

Regression testing is the process of testing changes to computer programs to make sure that the older programming still works with the new changes. Regression testing is a normal part of the program development process and, in larger companies, is done by code testing specialists. Test department coders develop code test scenarios and exercises that will test new units of code after they have been written. These test cases form what becomes the test bucket. Before a new version of a software product is released, the old test cases are run against the new version to make sure that all the old capabilities still work. The reason they might not work is because changing or adding new code to a program can easily introduce errors into code that is not intended to be changed.

**IMPLEMENTATION**

This application is implemented using HTML, CSS, Javascript language.programming is an approach that provides a way of modularizing programs by creating partitioned memory areas for both data and functions that can be used as templates for creating copies of such modules on demand.

**CONCLUSION AND FUTURE ENHANCEMENT**

**Conclusion:**

The three factors that we have discussed have played a role in Mobiride rapid ascension are its safety standards, customer service and marketing schemes. These are the things that give Mobiride acompetitive advantage.The reason why Mobiride is so promising is not merely because they threaten to undermine the existing order, but because they can reduce the scope of regulation. They can do this by solving the problems that markets have had in ensuring that information flows, and people live up to their promises. Further, and most importantly, they can foster the competition that is needed to get the most out of taxi markets. Mobiride have taken the pre-existing concept of taxiing people andim proved and modelled it suit the world as it is today. Theircompetitive advantage lies in their simplicity and ease of use. Mobirideproduces far superior benefits when it comes to ease of ordering,certainty of car arrival time, ability to see the route taken,This web-based application helps customers to choose their daily needs and add products to the cart. Admin will send the list provided by the customers to the staff. Customers provide their complete detail of address and contact number and they get their chosen products in their home.

**Future Enhancements:**

In future this application can be enhanced in different ways:

Mobiride's biggest issue to date is that it loses more money as it scales. However, Mobiride CEO Dara Khosrow shahi did say that it saw a surge in food delivery via Mobiride Eats and Mobiride Freight showed strong growth. Khosrow shahi said Mobiride's ride-sharing business will improve as economies open back up.That final point remains debatable given social distancing and changing consumer behavior, but Mobiride's bet is that it has the financial resources to "ensure our core Rides and Eats businesses emerge from this crisis stronger than ever."

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