SCTR's Pune Institute of Computer Technology
Dhankawadi, Pune

DSBDAL MINI PROJECT REPORT ON

GOLD PRICE PREDICTOR

SUBMITTED BY
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Under the guidance of
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DEPARTMENT OF INFORMATION TECHNOLOGY
ACADEMIC YEAR 2022-23

DEPARTMENT OF INFORMATION TECHNOLOGY

SCTR's Pune Institute of Computer Technology
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CERTIFICATE

This is to certify that the Project Entitled
"Gold Price Predictor"

Submitted by
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is a bonafide work carried out by them under the supervision of Prof. Abhijeet
Karve and it is approved for the partial fulfillment of the requirement of
Savitribai Phule Pune University, for the DSBDA Lab in Third year Engineering
of Information Technology.

Prof. Abhijeet Karve.   **Dr. Archana S. Ghotkar**
Internal Guide   Head
                                            Department of Information Technology
                                                      PICT, Pune

Place:
Date:

Internship Place Details

Above Internship was offered by Mr Siddharth Sharma, MTech(Computer Engineering) He is the assistant director of FEPL.He has 10+ experience in the field of software development and he formerly worked as a Senior Software developer at Amazon.

OASIS TECHNOLOGIES (FUNCRAFT ENTERTAINMENT PRIVATE LIMITED "FEPL") is company registered under the company registration act on 21 August 2018. The registered office is located in Pune.The main functions of the company are:

1. Software development and training

2. Android Development and training

3. Software Testing

4. Certifications

5. Audio Mixing/Mastering

6. Visual effect creation

7. Animation of movies

8. Movie production

Internship Place Details- Company background-organization and Activities /Scope and object of the study / Supervisor details

ACKNOWLEDGEMENT

Contents

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1 Title

Software Development

2 Introduction

I completed a three-month internship in Web Development from February 08, 2023, to May 20, 2023. The internship was conducted entirely online, and each week my mentor assigned a task that was an integral part of the Access platform. Access consisted of various different Technologies. Web development and app development are two rapidly growing fields that have become essential for businesses to succeed in today's digital age. Web development involves designing and building websites using various programming languages, while app development focuses on creating mobile applications for different platforms such as iOS and Android .

During the internship I Completed 5 to 6 tasks which included use of Software development and training , Android Development and training and various Method's used in Go.

An internship in web development or app development can be a valuable opportunity to gain real-world experience in these rapidly growing fields. The experience gained during such an internship can help learn how to design, code, and test websites or mobile applications. Exposure to various software tools and programming languages can enable to develop a diverse skill set, which can be a valuable asset in my future career..

3 Problem Statement

To growing popularity of online shopping has led to a highly competitive e-commerce market

Starting a new business can be challenging, particularly for individuals who lack prior business experience.

4 Objectives and Scope

4.1 Objectives

1. To develope a responsive website

2. To develope a responsive application

3. To understand the problem statement and client requirements in depth.

4. To learn about the technology used to develop web-site and application along with implementation.

5. write more

5 Motivation and Scope

5.1 Motivation

In today's digital age, having a website is critical for businesses, organizations, and individuals who want to establish an online presence and reach a wider audience. Web development plays a critical role in enabling businesses and organizations to establish an online presence, improve their user experience, facilitate communication, expand their customer base, and keep up with their competition.

Mobile devices have become an essential part of our lives, and the demand for mobile applications has increased in recent years, Developing a project using app development offers a unique opportunity to create innovative and engaging mobile applications that can improve user experience and solve real-world problems.

write more

5.2 Scope

The scope of web development is vast and constantly evolving, as new technologies and trends emerge. Web development encompasses the process of creating and maintaining websites, including designing, coding, testing, and deploying them on the internet.

The project may also involve market research, search engine optimization, and online marketing strategies to drive traffic to the e-commerce website. Additionally, the project may require the integration of various third-party tools and software, such as payment gateways, shipping providers, and customer relationship management systems.

The scope of a business idea project can vary based on the specific goals and objectives of the project. Generally, the scope of a business idea project involves researching the viability of a new business concept, defining the target market, developing a business plan, and executing the plan.
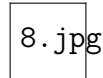
6 Methodological Details

6.1 Cluster

Figure 1: Workflow

A group of computers (hosts) running Access that work together as a single unit, combining computing power, workload, and resources. A cluster provides a single-system image for a network of computing resources.

Hosts can be grouped into a cluster in a number of ways. A cluster can contain:

1. All the hosts in a single administrative group

2. All the hosts on a subnetwork

6.2 Hosts

Hosts in your cluster perform different functions.

1. **Management host:** Access server host that acts as the overall coordinator for the cluster, doing all job scheduling and dispatch.

2. **Server host:** A host that submits and runs jobs.

3. **Client host:** A host that only submits jobs and tasks.

4. **Execution host:** A host that runs jobs and tasks.

5. **Submission host:** A host from which jobs and tasks are submitted.

6.3 Job

The structured approach to planning, designing, developing, and implementing an e-commerce platform and associated business

strategies. This process typically includes market research, identification of customer needs and preferences, development of a business plan, creation of a website and online store, and implementation of marketing and advertising campaigns.

It include testing and evaluation of the e-commerce platform and business strategies to ensure they meet the desired objectives and provide a positive customer experience. Effective communication, collaboration, and project management are essential components of this methodology to ensure successful delivery of the project on time and within budget.

6.4 Job Slot

The job responsibilities may include designing user interfaces, creating wireframes and prototypes, writing clean and efficient code, troubleshooting issues, testing applications, and deploying applications to production environments.

Hosts can be configured with multiple job slots and you can dispatch jobs from queues until all the job slots are filled. You can correlate job slots with the total number of CPUs in the cluster.

6.5 Queue

1. **Planning:** - The first step involves understanding the client's requirements and objectives, defining the scope of the project, and creating a detailed project plan. This step involves determining the target audience, identifying the features and functionality required, and establishing a timeline and budget.

2. **Design:** - The second step involves creating wireframes, user interface designs, and prototypes that illustrate how the website or application will look and function. This step also involves creating a style guide and choosing the appropriate color schemes, typography, and graphics.

3. **Development:** The third step involves writing code and developing the website or application. This step includes the creation

of a database, server-side logic, and client-side functionality using programming languages such as HTML, CSS, JavaScript, and others.

4. **Testing:** The fourth step involves thorough testing of the website or application to ensure that it functions correctly and is user-friendly. This includes functional testing, user acceptance testing, and compatibility testing.

5. **Deployment:** The final step involves deploying the website or application to a live server or platform, making it available to users. This step includes setting up a hosting environment, configuring the server, and uploading the website or application.

6.6 Resources

Resources are the objects in your cluster that are available to run work. For example, resources include but are not limited to hosts, CPU slots, and licenses.

7 Modern engineering tools used

1. **Git and GitHub:** - Git is a distributed version control system that allows developers to manage changes to their code over time. GitHub is a web-based platform that provides hosting for software development version control using Git. It is a popular platform used by developers to collaborate on code and manage their code repositories.

2. **Visual Studio Code:** - Visual Studio Code (often abbreviated as VS Code) is a popular open-source code editor developed by Microsoft. It is a lightweight and cross-platform editor that runs on Windows, Linux, and macOS. VS Code is designed for developers of all skill levels and supports a wide range of programming languages, including JavaScript, Python, C++, and more. It offers a number of features to improve developer productivity, including intelligent code completion, debugging tools, and extensions that can be installed to add additional functionality.

3. **JavaScript :** JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages.Developers generally use JavaScript alongside HTML and CSS. The scripting language works well with CSS in formatting HTML elements

4. **Bootstrap:** Bootstrap is an HTML, CSS and JS library that focuses on simplifying the development of responsive web pages. The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents.

5. **Java:** Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let programmers write once, run anywhere , meaning that compiled Java code can run on all platforms that support Java without the need to recompile. The syntax of Java is similar to C and C++, but has fewer low-level facilities than either of them. The Java runtime provides dynamic capabilities that are typically not available in traditional compiled languages. As of 2019, Java was one of the most popular programming languages in use according to GitHub, particularly for client–server web applications, with a reported 9 million developers.

6. **Python:** Python is a popular programming language that is widely used in application development. It is known for its simplicity, readability, and ease of use, making it an ideal choice for building web applications, desktop applications, mobile applications, games, and more. Here are some common uses of Python in application development.

7. **Namecheap:** Namecheap is a domain registrar and web hosting company.In addition to domain registration, Namecheap offers web hosting services, SSL certificates, email hosting, VPN services, and website builder tools. Its web hosting plans include shared hosting, WordPress hosting, VPS hosting, and dedicated server hosting.Namecheap is known for its affordable pricing and easy-to-use website interface. It offers a range of features and tools that make it easy for individuals and businesses to set up and manage their online presence.

8. **Appypie:** Appy Pie is a cloud-based no-code app development platform that allows anyone to create mobile apps without any coding skills. The platform offers a drag-and-drop interface, which makes it easy for users to design and customize their apps using pre-built templates and features.With Appy Pie, users can create apps for various platforms, including iOS, Android, Windows, and even for the web.

8 Outcome/ results of internship work (screenshots of work done)

8.1 Web Project 1 results:

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1.png
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2.png
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3.png
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8.2 Web Project 2 results:

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4.png
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5.png
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6.png
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7.png
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8.3   App Project 3 results:

App1.jpg

App2.App3.jpg
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9   Achievement

As a software developer, completing an internship is an excellent way to gain real-world experience, learn from experienced professionals, and apply your theoretical knowledge to practical projects. It also provides you with an opportunity to build your network and develop professional skills.

Completing an internship in software development also demonstrates to potential employers that can have the skills and experience necessary to work in the field. Internship experience to highlight your achievements and accomplishments in my resume and during job interviews, helping a stand out from other candidates.

completing a software development internship is an excellent achievement that can open doors to many opportunities in the field.

Winning a competition during software development internship period to that not only gained valuable practical experience but also excelled in applying theoretical knowledge to real-world projects