



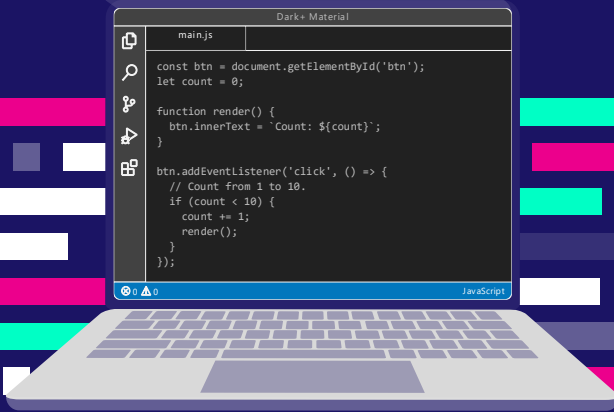
VISUAL STUDIO CODE

A Practical Case Study

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WHY Visual Studio CODE



VS Code is one of the most widely used code editors in the software development industry.

VS Code is a powerful tool for your coding and development needs.

TABLE OF CONTENTS

01

Introduction

03

About the
Topic

05

Conclusion

02

Key
Features

04

Advantages &
DisAdvantages

06

Practical
Case Study

INTRODUCTION

- Visual Studio Code, commonly known as VS Code, is a free, open-source code editor developed by Microsoft.
- It has gained immense popularity among developers due to its versatility, extensions, and ease of use.
- VS Code is designed to work with a wide range of programming languages, making it suitable for various development projects.



KEY FEATURES

Extensibility

Wide variety of
extensions



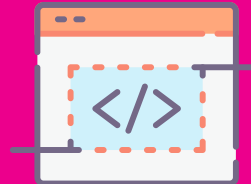
Git Integration

Alloes to Work with Git
Version Control



Snippets

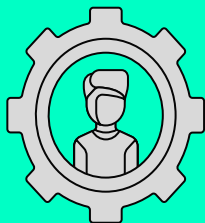
Provides predefined and
custom code snippets to
write code faster.



KEY FEATURES

Language support

Supports Wide variety of
Languages



Intelli-Sense

Automatic declaration of
code



Debugging Support

Robust debugging experience



ADVANTAGES

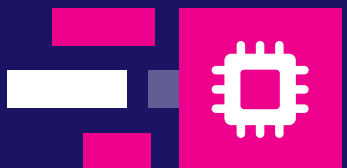
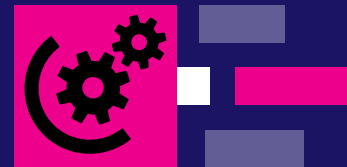


LightWeight

Fewer Resource
Consumption Making it
Fast and Responsive

Task Automation

Defining and running various
project specific processes



Cross Platform

Consistency across different
operating systems

Free & Open Source

Free to use.
view,read modify source code

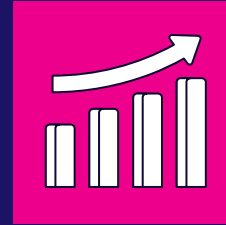


DISADVANTAGES



Limited Features

Not as feature rich as other IDEs



Learning Curve

Can be challenging for beginners



Less Stable

Performance issues while working with large projects





PRACTICAL CASE STUDY: BUILDING A WEB APPLICATION



Problem

Building a simple web application
using HTML, CSS and JavaScript



Solution

This can be done using VS
Code

PROCESS

Step 1

Setting up the environment

Step 2

Creating Project Files and Folder Structure

Step 3

Writing Code and Preview Real Time Changes

Step 4

Initialize Git Repository for Version Control

Step 5

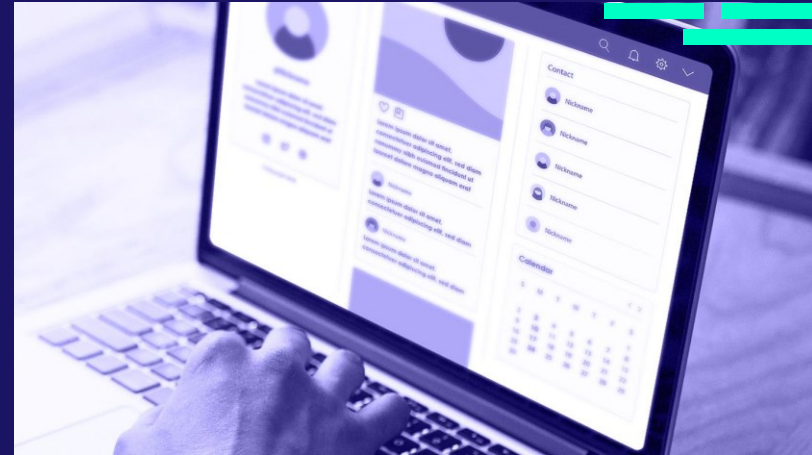
Testing & Debugging

Step 6

Deployment of the web application

CONCLUSION

- Visual Studio Code is a powerful and versatile code editor with a robust set of features.
- Its advantages include being lightweight, cross-platform, and highly extensible.
- While it may lack some advanced features and have a learning curve, it remains a top choice for developers across the globe.





THANK YOU!