PROJECT REPORT

ON

C# And **XAML** used Calculator

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Submitted by –

Name: Tridip sarma

Roll No : UA-211-200-0038

Registration No : 21069047

BVOC (IT) 6TH SEM (GROUP A)

Guided By –

Dr. Devajit Mahanta

H.O.D. of B.Voc. (IT)

DEPARTMENT OF B.VOC.(IT) 6TH (SEM GROUP A)

NALBARI COMMERCE COLLAGE

NALBARI, ASSAM- 781334

ACKNOWLEDGEMENT

C# - The Engine of Intelligence: C# provided the robust logic and functionality that powers the calculator. Its versatility and clear syntax made complex calculations a breeze. With an object-oriented approach, C# laid the foundation for a scalable and maintainable codebase, ensuring the calculator's reliability.

XAML - Crafting User-Friendly Design: XAML brought the calculator's user interface to life with its declarative markup language. The collaboration between C# and XAML seamlessly blended logic with design. XAML's support for data binding and styling added a touch of elegance to the interface, creating a user-friendly and visually appealing experience.

WPF - Dynamic and Responsive Interface: WPF played a crucial role in making the interface dynamic and responsive. Its features, including data binding and animation support, contributed to an engaging user experience. The seamless integration with XAML allowed for the creation of interactive UI elements, enhancing the overall usability of the calculator.

.NET 5.0 - Modernizing Development: Embracing .NET 5.0 was a decision to embrace modern development practices. The enhancements and cross-platform capabilities of .NET 5.0 elevated the project to contemporary standards. This not only ensured high performance but also positioned the calculator at the forefront of modern software development.

Gratitude to the Community: I express my gratitude to the .NET community for its continuous support. The collaborative spirit and shared knowledge within the community were instrumental in overcoming challenges and pushing the boundaries of the project. The vibrant .NET ecosystem significantly contributed to the success of this endeavor.

About Visual studio

Visual Studio is a powerful integrated development environment (IDE) created by Microsoft. It's widely used by software developers for various programming languages, including C#, C++, and Python. This IDE offers a comprehensive set of tools and features to streamline the software development process.
One of the standout features of Visual Studio is its rich code editor, which provides code completion, debugging, and real-time syntax checking, making it easier to write clean and error-free code. The integrated debugger is robust, helping developers identify and fix issues quickly.

Visual Studio supports a wide range of project types, from desktop applications to web and mobile development. It has excellent integration with Azure, Microsoft's cloud platform, making it a preferred choice for cloud-based application development.

Extensions and add-ons, available through the Visual Studio Marketplace, enhance the IDE's functionality. Developers can customize their development environment by adding extensions that cater to their specific needs.

Version control is made easy with built-in Git support, enabling collaborative coding and code version management. Visual Studio also includes excellent tools for unit testing and continuous integration, ensuring software quality.
The Visual Studio ecosystem extends to Visual Studio Code, a lightweight code editor, and Visual Studio Online, which offers cloud-based development collaboration and code repositories.
Overall, Visual Studio is a comprehensive software development environment that caters to both individual and team needs. It simplifies and enhances the software development process with its feature-rich environment and extensive integration capabilities

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