

CraptonTrade

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Abstract: *CraptonTrade is an application software designed to facilitate global trading for businesses of all sizes, including small and large enterprises. This software operates on a unified platform, streamlining and automating various business activities to save time and reduce costs. In addition to serving as a trading platform, CraptonTrade provides hedging options to ensure the safety and security of its customers in the highly competitive global market.*

Keywords: Import-export, DotNet , ADO.NET, Angular, SQL Server

I. INTRODUCTION

The CraptonTrade project is aimed at developing an application software that facilitates global trading for businesses of all sizes. The software serves as a centralized platform to streamline and automate various business activities, providing significant time savings and cost-effectiveness. Additionally, CraptonTrade offers robust hedging options to ensure the safety and security of its customers in the highly competitive global market.

The CraptonTrade application is related to the activities and processes to be carried out by personnel at engaged in import-export deals and foreign exchange ('forex' or 'FX') operations. A list of master tabs have been made available to allow its users add static data like currency master, user master, etc. The Hedge Details tab is provided so that it can be utilized by anyone whether it is an individual or corporate , to overcome the negative impact of price volatility in the global currency market. In our application, we are providing two types of hedging services to our users, i.e Forward and futures hedging. At the end, forms for shipping details, invoice details and receipts tabs are available on the screen to smoothen the process of contract-deals on our platform

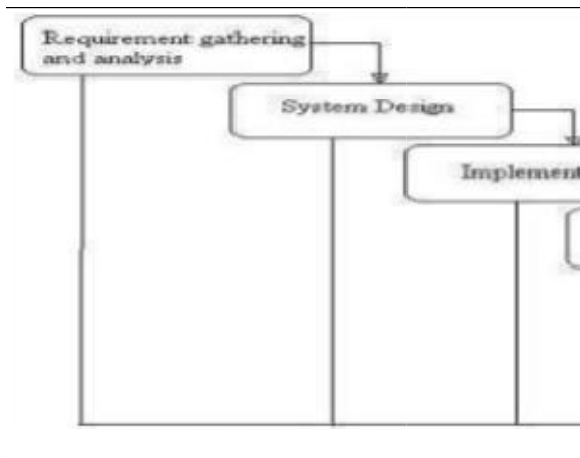
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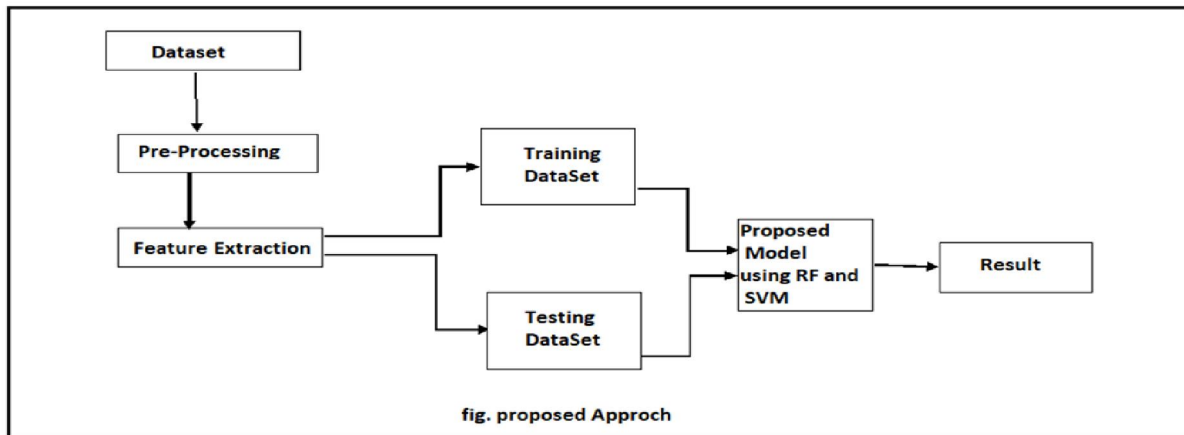
II. ALGORITHMS

Analysis Models: SDLC Model to be applied:

The Waterfall Model was first Process Model to be introduced. It is also referred to as a linear- sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed fully before the next phase can begin. This type of model is basically used for the for the project which is small and there are no uncertain requirements. At the end of each phase, a review takes place to determine if the project is on the right path and whether or not to continue or discard the project. In this model the testing starts only after the development is complete. In waterfall model phases do not overlap.



System Architecture



Import:

The term trade in is resulting from the theoretical meaning as to carry in the merchandise into the harbor of a nation. The purchaser of such goods and services is referred to an importer.

Types of Import:

There are the following two basic types of imports of a country.

- Industrial and consumer goods.
- Intermediate goods and services.

Advantages of Import:

- Reduce dependence on existing markets.
- Exploit international trade technology.
- Extend sales potential of existing products.
- Maintain cost competitiveness in business.

Disadvantages of Import:

- Importation of items from other countries can increase the risk of getting them which is no more common in the warm weather.
- It leads to excessive competition.
- It also increase risks of other diseases from which the country is exporting the goods.

Export:

The term export is derived from the conceptual meaning as to ship the goods and services out of the port of the country. The seller of such goods and services is referred to as an export.

Types of Export:

- Physical export: if the goods physically go out of the country
- Deemed export: if the goods and services are supplied to another country.

Advantages of Export:

- Exporting is one way of the increasing your sales potential.
- Increasing sales and profits.
- Reducing risk and balancing growth.
- Sell excess production capacity.
- Gain new knowledge and experience.

Disadvantages of Export:

- Extra costs.
- Financial risks.
- Export licenses and documents.
- Market information.

.NET

- .NET is a free, cross-platform, open source developer platform for building many different types of applications

Advantages of .NET Development Framework:-

- Reliability & Scalability Flexible Deployment Interoperability Security and Safety Simple Caching System
- Open Source Framework Code Reusing
- Automatic Monitoring in ASP.NET

Disadvantages of .NET Framework:-

- Object-Relational Support Issues
- Vendor Lock-In Memory Leakage

ADO.NET provides consistent access to data sources such as SQL Server and XML, and to data sources exposed through OLE DB and ODBC. Data-sharing consumer applications can use ADO.NET to connect to these data sources and retrieve, handle, and update the data that they contain.

What is Angular?

This topic can help you understand Angular: what Angular is, what advantages it provides, and what you might expect as you start to build your applications

Advantages of Angular

- Developed and Maintained by Google
- Job demand
- Robust ecosystem
- A Well Component-based architecture with the high quality of code
- Iterative development support

- Get along Easy with Plain HTML templates

QL Server is a relational database management system, or RDBMS, developed and marketed by Microsoft. Similar to other RDBMS software, SQL Server is built on top of SQL, a standard programming language for interacting with relational databases. SQL Server is tied to Transact-SQL, or T-SQL, the Microsoft's implementation of SQL that adds a set of proprietary programming constructs.

Pros of Microsoft SQL Server:

- Increases data security
- Ease of configuration
- Optimized data storage
- Data recovery support

The cons of Microsoft SQL Server:

Cost

There is a free version of Microsoft SQL Server that you can use. But for more advanced databased applications and features, you will have to make a sizeable investment for higher versions of the software.

Restricted compatibility

Making additional investments in Microsoft software may be needed if your business uses little to no Microsoft infrastructure. These extra commitments might also cost your company more, but they will allow you to use Microsoft SQL Server on your platform.

Hardware restrictions

Newer versions of Microsoft SQL Server need advanced technologies to run. So, if your hardware is comprised mainly of older hardware, you might need to invest in newer machines in order to use Microsoft SQL Server. Moreover, if your business needs a larger database, you also need to increase your hard drive space.

Microsoft SQL Server is an excellent database management software for small to large businesses. If you're thinking of buying the software for your company, consider these pros and cons before deciding if it's compatible with your goals.

III. CONCLUSION

In conclusion, the CraptonTrade Import Export ERP system offers small business owners a comprehensive solution for managing their operations effectively. With this software platform, businesses can streamline various processes, including invoicing, record keeping, and shipping, all within a centralized system. By utilizing Import Export ERP, businesses can benefit from powerful marketing tools and automated supply chain tr Investing in an import export ERP system, such as CraptonTread, can greatly simplify business operations and enhance overall efficiency. It provides the necessary tools and functionalities to navigate the complexities of import-export deals, allowing businesses to focus on growth and success. Therefore, for small business owners contemplating the adoption of an import-export ERP system, now is an opportune time to seize the advantages it offers and propel their business forward. acking, ensuring they stay competitive and agile in today's dynamic marke

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