

Simplified ERP system with React

Introduction

Enterprise resource planning (ERP) is a platform companies use to manage and integrate the essential parts of their businesses. Many ERP software applications are critical to companies because they help them implement resource planning by integrating all the processes needed to run their companies with a single system.

An ERP software system can also integrate planning, purchasing inventory, sales, marketing, finance, human resources, and more.

Abstract

- ERP software can integrate all of the processes needed to run a company.
- ERP solutions have evolved over the years, and many are now typically web-based applications that users can access remotely.
- Some benefits of ERP include the free flow of communication between business areas, a single source of information, and accurate, real-time data reporting.
- There are hundreds of ERP applications a company can choose from, and most can be customised.
- An ERP system can be ineffective if a company doesnot implement it carefully.

Methodology

Dashboard:

Display a summary of key metrics or features (e.g., total number of products, orders).

Include links or buttons for quick navigation to the Products and Orders management pages.

Products Management:

Present a list of products with details such as name, category, price, and stock quantity, using mock data.

Enable functionalities to add, edit, and delete products.

Orders Management:

Show a list of orders, including details like order ID, customer name, order date, and status, using mock data.

(Optional) Allow viewing of order details, updating the order status, and deletion of orders.

conclusion

Enterprise resource planning (ERP) manages and integrates business processes through a single system. With a better line of sight, companies can better plan and allocate resources. Without ERP, companies tend to operate in silos, with each department using its own disconnected system.

ERP systems promote the free flow of communication and sharing of knowledge across an organisation, the integration of systems for improved productivity and efficiencies, and increased synergies across teams and departments. However, moving to an ERP system will be counter productive if the company's culture does not adjust to the change and the company does not review how the structure of its organisation can support it.