

WELCOME

RETAIL STORE STOCK INVENTORY ANALYTICS

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PROBLEM STATEMENT

- The inventory analyst determine and direct where the inventory needs to go and use statistics to determine which products are selling and which are under-performing.
- Even a single error in the process can have expensive and long-term consequences. This will eventually affect the company's growth and reputation.
- Inventory analysts are in charge of managing inventory items, performing inventory analysis, and controlling day-today inventory operations



PROPOSED SOLUTION

PROBLEM STATEMENT:

I am a inventory analyst I am trying to manage the inventory item and daily inventory operations of an organization But there is an overflow of stocks Because of the misjudgment in customer demand Which makes me feel to regulate the investment cost and optimize the storage space.

IDEA / SOLUTION DESCRIPTION:

Prediction enables the retailer to consider data like weather forecasting, real-time sales data, inventory levels, purchase history, product movement, and much more to arrive at an ideal price.

- **Novelty / Uniqueness:**

Prediction Improves your delivery by managing stock- outs and meeting customer expectation

- **Social Impact / Customer Satisfaction :**

It determines how happy customers are with a company's products, services, and capabilities. Customer satisfaction information, including surveys and ratings, can help a company determine how to best improve or changes its products and service.

- **Business Model :**

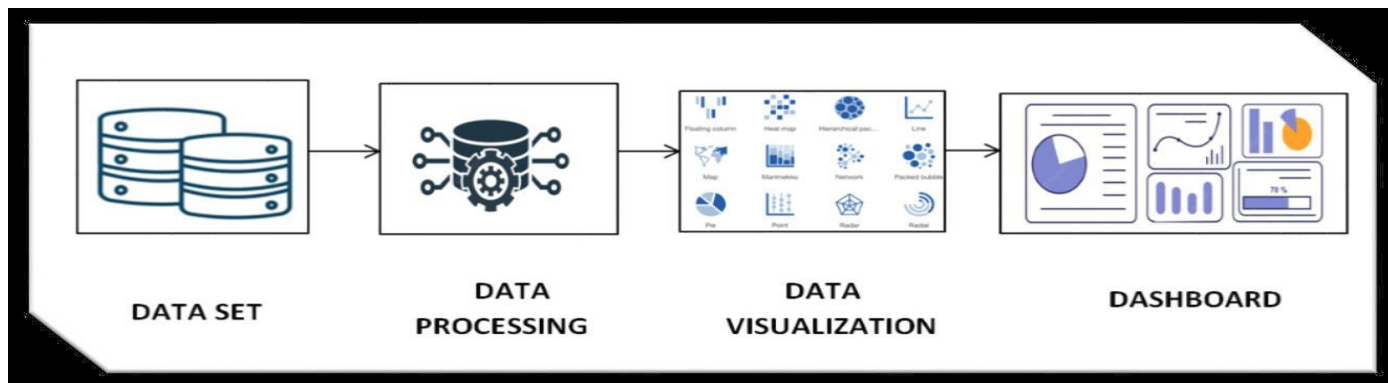
In Stock inventory analytics we optimize the stock availability that meets demand while keeping storage cost minimum.

- **Scalability of the Solution:**

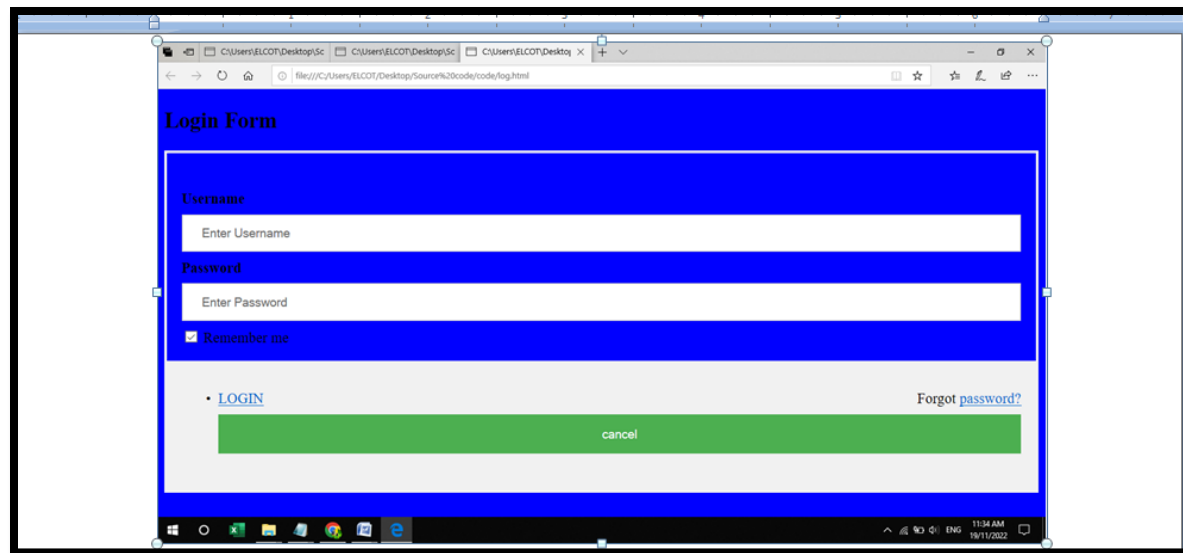
It minimize the storage cost, stock overflow, stock underflow.also it increase the company growth .

TECHNOLOGY ARCHITECTURE

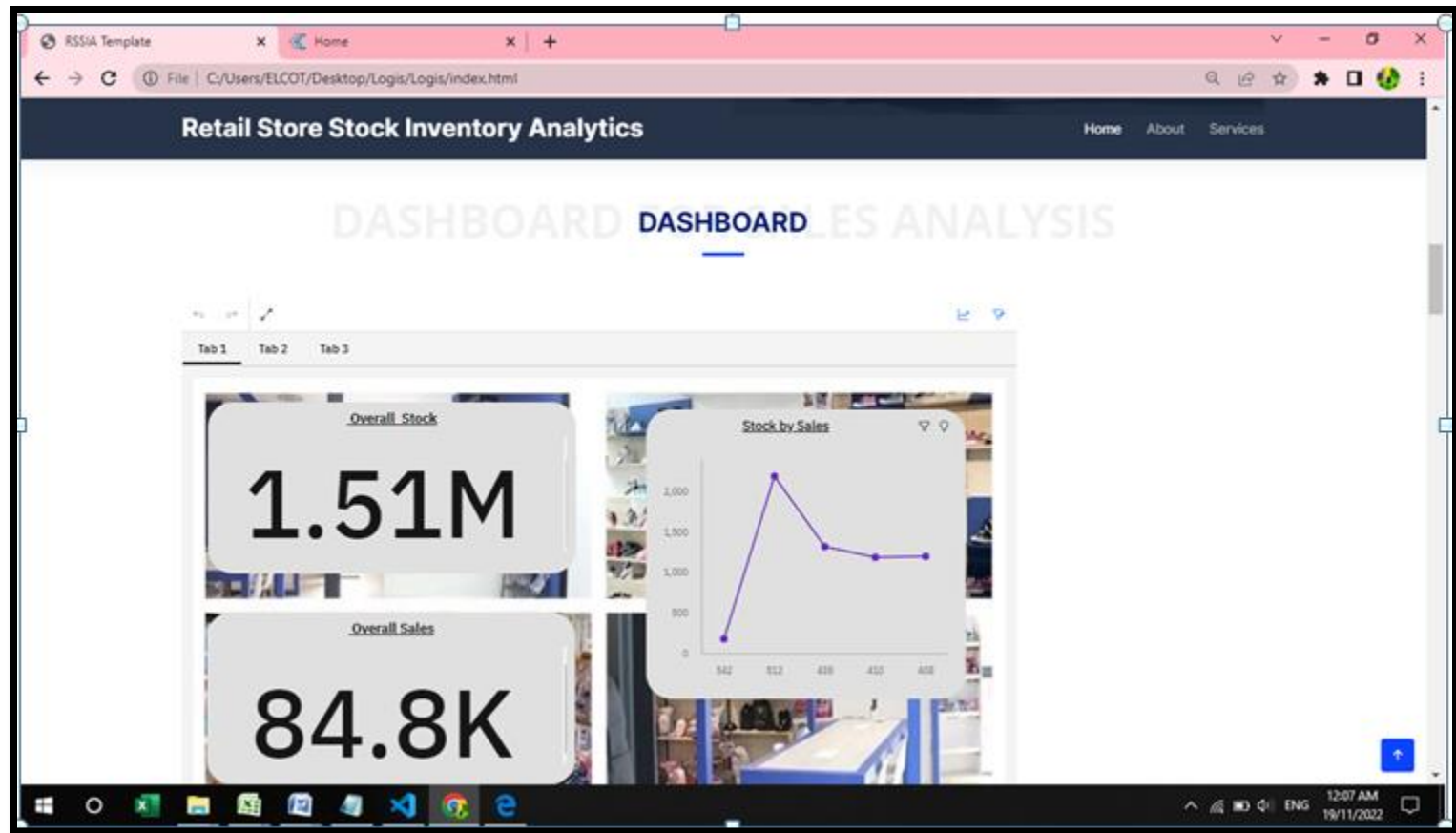
- Technical Architecture finds the best tech solution to solve existing business problems, Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders, Define features, development phases, and solution requirements, Provide specifications according to which the solution is defined, managed, and delivered.
- It involves the development of a technical blueprint with regard to the arrangement, interaction, and interdependence of all elements so that system-relevant requirements are met.



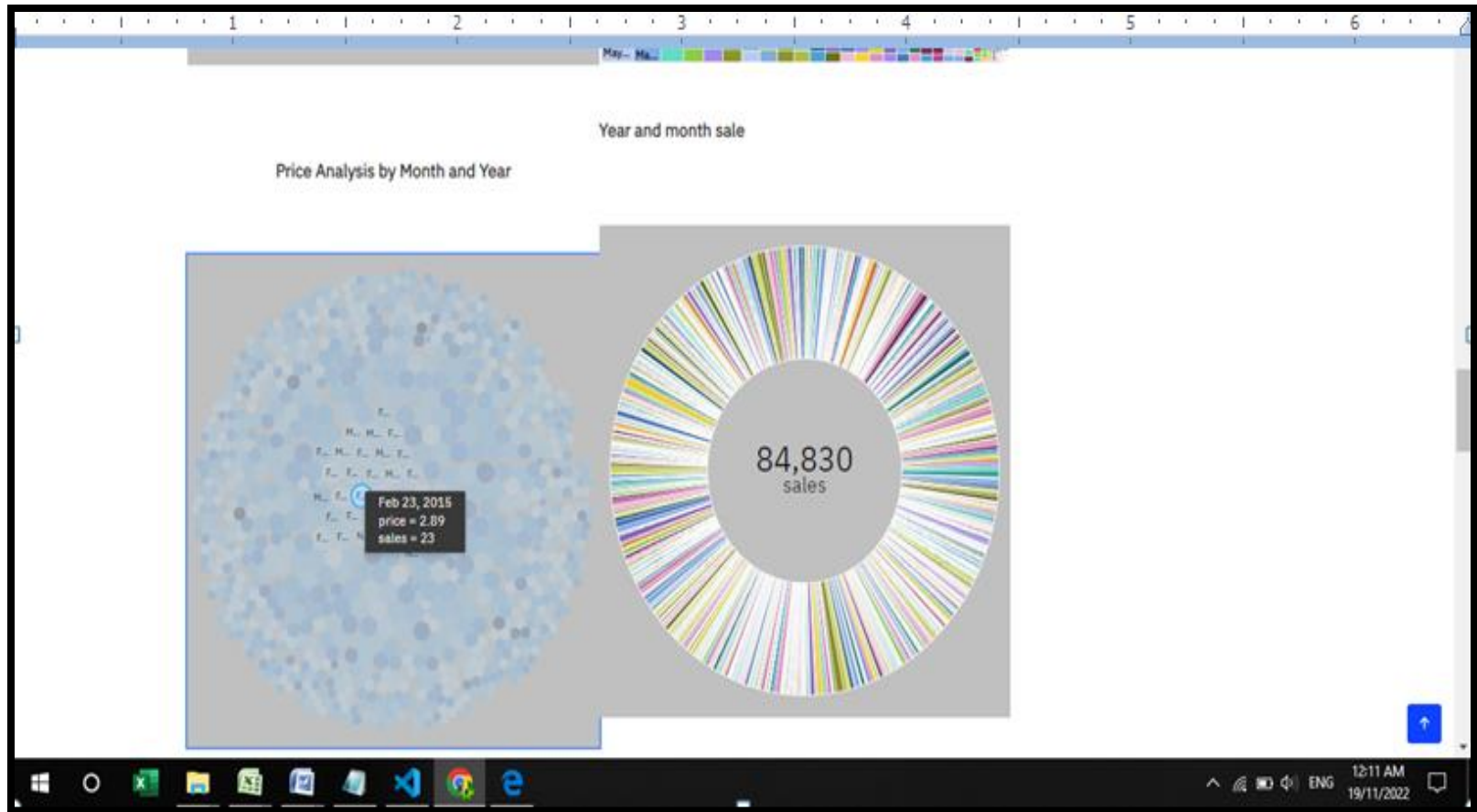
WORKING WITH DEMO



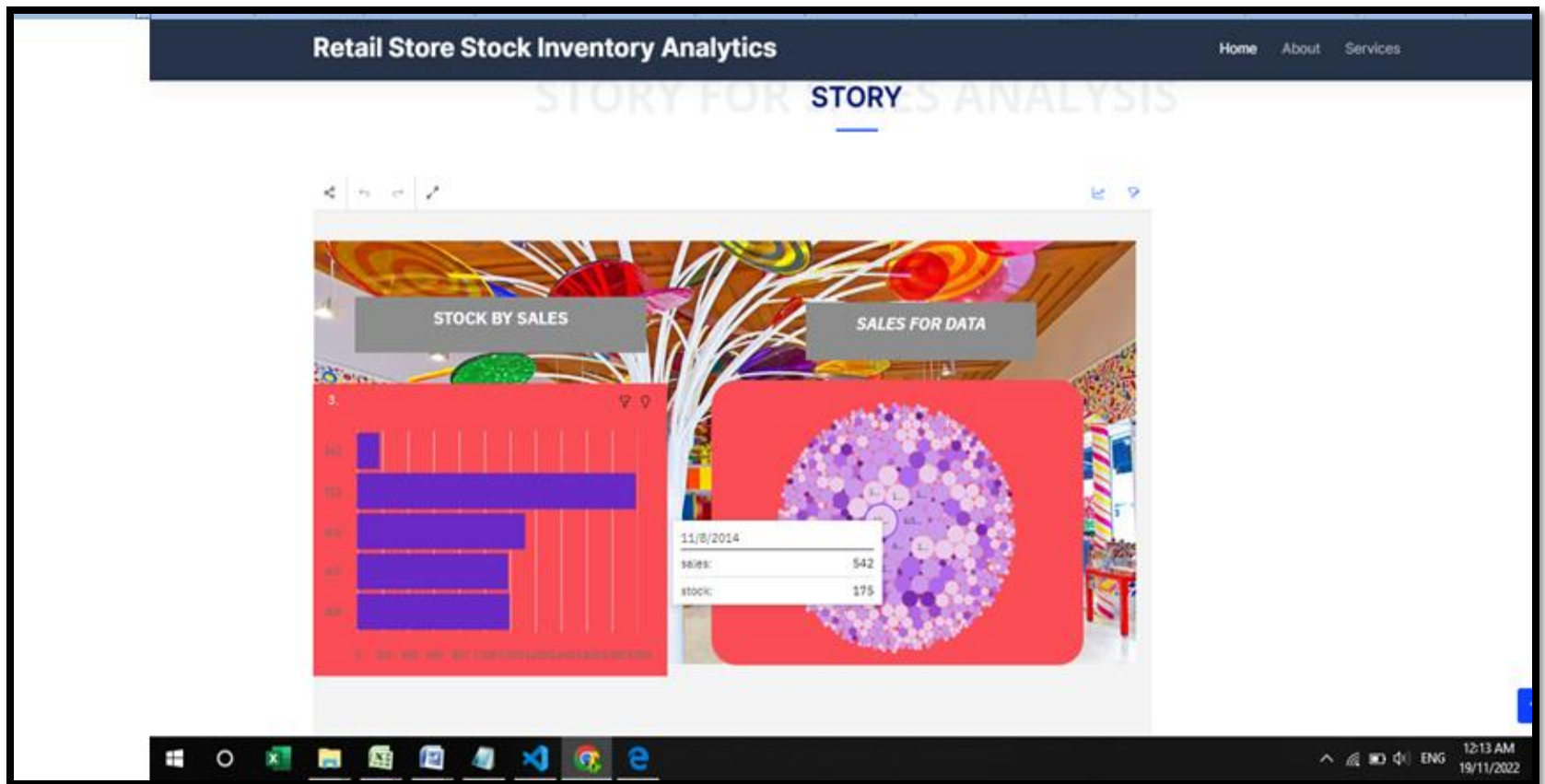
DASHBOARD



REPORT



STORY



PERFORMANCE METRICS

S.No.	Parameter	Screenshot / Values
1	Dashboard design	The Dashboard consists of 9 graphs in 3 different tabs
2	Data Responsiveness	The Data was responsive for creating dash board, story and reports
3.	Amount Data to Rendered (DB2 Metrics)	Inventory Management system consits of 938 data in it
4.	Utilization of Data Filters	Data filters was used to find Top most and Bottom most of the data in form of visualization
5.	Effective User Story	The Story consists of 4 scenes and 6 graphs
6.	Descriptive Reports	Create 1 Report consists of 4 visualization

SCALABILITY

- Scalability describes an institution's ability to handle increased market demands.
- It refers to producing more to ensure cost-advantageous and profitable sales.
- In Economic of scale the cost per unit decrease when the product is created.

FUTURE WORK

In Inventory management systems have become more real time, giving retailers more data about demographics, spending habits, shopping preferences etc. In future these type of feature will be added that is the retailer will upload the present dataset and automatically the visualization is displayed that attract the 90% of retailers who can easily predict the under stock and overstock.

THANK YOU!!!