

# *Backorder Prediction System*

## *Wireframe Documentation*

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# Prediction Page

The following shows the user interface created on Streamlit Web application: -

1. First thing anyone will see is a page with all the input fields required for the model prediction.

## Backorder Prediction

Enter the required details to predict backorder situation

Current National Inventory of the product

0.00 - +

Lead Time of the product

0.00 - +

Total quantity of products in transit

0.00 - +

Forecasted Sales of the product for next 3 months

0.00 - +

Previous month Sales of the product

0.00 - +

Minimum Quantity of Products required to keep in stock

0.00 - +

Is there a potential issue with the product?

☒ Yes

☐ No

No of pieces/products overdue

0.00 - +

Average Performance over the last 6 month

0.00 - +

Current Unmet demand

0.00 - +

Is there a risk of mismatch between forecasted and actual demand of the product?

☒ Yes

☐ No

Did the product experience operational constraints?

☒ Yes

☐ No

Is there a Production Part Approval Process risk associated with the product?

☒ Yes

☐ No

Is automatic purchasing for this product halted?

☒ Yes

☐ No

Is review process for this product paused?

☒ Yes

☐ No

Predict

2. After filling the details and clicking on the submit button, the user will receive a message below the predict button, stating the two possibilities:-

- If model gives prediction as No, then:-

**Prediction: No backorder situation expected**

- If model gives prediction as Yes, then:-

**Prediction: Yes, product expected to go on backorder**

## Backorder Prediction System Wireframe

### Backorder Prediction

Enter the required details to get prediction of backorder prediction

Current National Inventory of the Product

Lead Time of the Product

Total quantities of product in transit

Forecasted Sales of the product for next 5 months

Previous month sales of the product

Minimum quantity of products required to keep in stock

Is there a potential issue with the product? (Yes/No)

No. of pieces/products overdue

Average Performance over the last 6 months

Current Unmet Demand

Is there a mismatch between actual & forecasted demand? (Yes/No)

Did the product experienced operational constraints? (Yes/No)

Is there a ppap risk associated with the product? (Yes/No)

Is automatic purchasing for this product halted? (Yes/No)

Is review process for this product paused? (Yes/No)

Predict