

Reporting and Analytics System

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Objective	The objective of this project is to integrate a robust reporting and analytics system into the warehouse management web app. This system aims to provide users, external vendors, and admins with actionable insights derived from various data points, enhancing decision-making processes and improving warehouse operations.
Due date	8 Apr 2024
Key outcomes	<p>Key Outcomes:</p> <ol style="list-style-type: none">Seamless access to a diverse range of reports for admins based on sales data, order fulfilment rate, inventory turnover, etc.Empowerment of admins with the ability to export reports as custom PDF files with tailored formatting and branding options.Enhanced decision-making processes and improved warehouse operations through actionable insights provided by the reporting and analytics system. <p>Success Metrics:</p> <ol style="list-style-type: none">Increase in admin satisfaction with the reporting and analytics system by 20%.Reduction in order fulfilment time by 15% due to insights gained from the system.Positive feedback from users and external vendors on the usability and effectiveness of the reporting features.Improvement in inventory turnover rate by 10% as a result of informed decision-making based on analytics.
Status	IN PROGRESS

🧐 Problem Statement

The current warehouse management system lacks robust reporting and analytics capabilities, hindering effective decision-making and operational efficiency. Admins face challenges in accessing and analysing key metrics such as sales data and order fulfilment rates, resulting in suboptimal warehouse management practices.

🎯 Scope

Must have:	<ol style="list-style-type: none">Integration of a reporting and analytics system to provide admins with access to reports based on sales data, order fulfilment rate, etc.Implementation of a custom PDF export feature to allow admins to export reports with tailored formatting options.
Nice to have:	<ol style="list-style-type: none">Advanced analytics features such as predictive modelling and trend analysis to further enhance decision-making processes.Integration with external data sources such as supplier data and market trends for comprehensive insights.Interactive dashboard functionality for real-time monitoring and visualization of key metrics
Not in scope:	<ol style="list-style-type: none">Overhaul of the entire warehouse management system.Implementation of unrelated features not directly related to reporting and analytics.Hardware upgrades or infrastructure changes.

 [COS5019-B_2023-4_Team3](#)

Client must be authenticated to access this resource.

► Milestones and deadlines

Milestone	Owner	Deadline	Status
Define project objectives, gather requirements, and finalize project plan.	@Jacob Farrow	20 Feb 2024	DONE
Develop and implement reporting and analytics functionalities	@Nadine Sjahsam	8 Apr 2024	IN PROGRESS
Conduct thorough testing to ensure functionality, usability, and performance.	@Nadine Sjahsam	8 Apr 2024	TODO
Deploy the integrated reporting and analytics system to production servers and provide user training and documentation	@Nadine Sjahsam	8 Apr 2024	TODO
Monitor system performance, address any issues, and provide ongoing support and maintenance as needed.			ONGOING

🔗 Reference materials