BUSINESS REQUIREMENTS DOCUMENT TEMPLATE

PROJECT DETAILS

PROJECT NAME
DENTAL TOOL SUPPLY SYSTEM

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DOCUMENT NO.	DATE	VERSION NO.

1. EXECUTIVE SUMMARY SNAPSHOT

2. PROJECT DESCRIPTION

The project aims to digitize and streamline the manual process of managing dental tool supplies. Currently, orders are tracked manually or via spreadsheets, which leads to delays, errors, and lack of transparency. By implementing a centralized system, the project seeks to automate order handling, track expected costs, monitor delivery timelines, and improve communication between Admin, Doctors, and Customers.

3. PROJECT SCOPE

This project will create a system to help manage the supply of dental tools from the Admin (Supplier) to Doctors and Direct Customers. The system will be built using Spring Boot and will include features like user login, role-based access (Admin, Doctor, Customer), placing and tracking orders, managing inventory, showing cost estimates, and sending email updates about order status. The main goal is to make the supply process faster, easier, and more organized. The final product will include the backend system, API documentation, and setup instructions. Tasks will include planning, designing the system, building and testing the APIs, and preparing it for use. The project should be completed in about 8 weeks. It will focus only on the backend, so things like mobile apps, a full website interface, or connecting to other systems (like payment or accounting software) are not included in this version.

IN-SCOPE ITEMS	OUT-OF-SCOPE ITEMS
User registration and management (Admin, Doctor, Customer)	Integration with external accounting systems
Order placement , tracking , and status updates	Mobile application development
Inventory management	AI-based forecasting
Cost and timeline tracking	
Reporting dashboard for Admin	

4. BUSINESS DRIVERS

Effiency	Manual order tracking causes delays and miscommunication . Automation will reduce human error and improve turnaround time
Cost Tracking	Monitoring expected costs and actual expenses ensures better budgeting and transparency
Customer satisfaction	Real- time tracking and improved communication with clients (Doctors , Customers) enhances trust and repeat business .
scalability	As demand grows , a digital system is essential for scaling operations efficiency

5. PRESENT PROCESS

Requirement gathering

6. PROPOSED PROCESS

- ➢ Admin uses a web portal to manage inventory and view incoming orders.

- ➢ Doctors/Customers log in to place orders.

- ➢ System auto-generates cost estimates and timelines.

- ➢ Admin approves and processes orders.

- ➢ System updates order status and sends notifications to users.

- ➢ Admin views reports and analytics for performance tracking.

7. FUNCTIONAL REQUIREMENTS

ID	REQUIREMENT	PRIORITY	RAISED BY
FR1	User role management (Admin , Doctor , Customer)	Intermediate	Team
FR2	Order placement by Doctor / Customer	Intermediate	Team
FR3	Order approval and tracking by Admin	Intermediate	Team
FR4	Inventory updates in real time	High	Team
FR5	Admin dashboard with reporting tools	Moderate	Team
FR6	Order status update interface	Intermediate	Team
FR7	Cost estimation and delivery timeline	Intermediate	Team

8. NON-FUNCTIONAL REQUIREMENTS

ID	REQUIREMENT
NFR1	Web based responsive design
NFR2	Data encryption and secure login
NFR3	Fast Response time
NFR4	Scalability to handle growing users /orders

9. GLOSSARY

TERM/ABBREVIATION	EXPLANATION
Admin	Supplier managing the tool inventory and orders
Doctor	End-user(Client) placing tool orders
Customer	Direct end-user placing tool orders
Inventory	Stock of dental tools managed in the system

10. REFERENCES

Provide links to all referenced resources (websites, documents, etc.) throughout this document.

NAME	LOCATION

11. APPENDIX

Component	Technology
Backend Framework	Spring Boot
Build tool	Maven
Database	MySQL / postgreSQL
Frontend	HTML , CSS , JavaScript , Bootstrap
IDE	Eclipse
Tools	Postman(API testing), GitHub(Version Control)