**BUSINESS REQUIREMENTS   
DOCUMENT TEMPLATE**

# PROJECT DETAILS

| PROJECT NAME | | |
| --- | --- | --- |
| DENTAL TOOL SUPPLY SYSTEM | | |
| CREATOR | | |
| Arbiya Khanam  Shwetha M J  Suchithra S | | |
| 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) | |