

GITHUB LINK:

AZIZ <https://github.com/Borz0595/Final-Exam>

[Home](#)

[About Us](#)

[Contact](#)



MEDICAL DEVICE MANAGEMENT SYSTEM



B.AZIZ,S.AMIR,K.DOSYMZHAN

WHAT IS A MEDICAL DEVICE MANAGEMENT SYSTEM?

- A SYSTEM DESIGNED TO MANAGE AND TRACK THE CONDITION, MAINTENANCE, AND SERVICE SCHEDULES OF MEDICAL EQUIPMENT.
- ENSURES THAT MEDICAL DEVICES ARE ALWAYS IN WORKING ORDER, MINIMIZING DOWNTIME AND IMPROVING PATIENT CARE.
- HELPS HEALTHCARE ORGANIZATIONS KEEP TRACK OF MAINTENANCE, REPAIRS, AND SERVICE INTERVALS.





PURPOSE OF THE SYSTEM

THE MEDICAL DEVICE MANAGEMENT SYSTEM AIMS TO:

- TRACK MEDICAL DEVICES: STORE AND DISPLAY INFORMATION ABOUT EACH DEVICE.
- MAINTAIN DEVICE HEALTH: KEEP TRACK OF WHETHER DEVICES ARE IN WORKING CONDITION OR NEED REPAIRS.
- SCHEDULE MAINTENANCE: ENSURE TIMELY MAINTENANCE BY TRACKING SERVICE INTERVALS.
- IMPROVE SAFETY AND COMPLIANCE: REDUCE THE RISK OF MALFUNCTION AND ENSURE THAT ALL DEVICES ARE COMPLIANT WITH HEALTH AND SAFETY STANDARDS.



KEY FEATURES

Device Registration

Add new medical devices with details such as name, status, and service intervals.

Device Status Update

Update the status of devices when they need repair or maintenance.

Device Tracking

Display the condition of all devices along with their maintenance schedules.

User Interaction

Easy-to-use menu for interacting with the system, adding devices, updating their status, and displaying information.



HOW THE SYSTEM WORKS



Device Information

Each device has a name, a status (working or needs repair), and a service schedule (in days).

Menu System

Users interact with the system using a menu, choosing between:

- Adding a new device
- Updating the device status
- Viewing all device details
- Exiting the program.

Operations

- Add a device: Enter details of a new device into the system.
- Update device status: Change the status or maintenance schedule of an existing device.
- Display devices: View a list of all devices and their information.



ADVANTAGES

Organized Tracking:

Keeps a clear record of all medical devices, their statuses, and maintenance schedules.

Preventive Maintenance

Helps avoid unexpected equipment failure by reminding when maintenance is due.

Ease of Use:

Simple menu-driven interface makes it easy for anyone to use, even without technical expertise.

Scalability

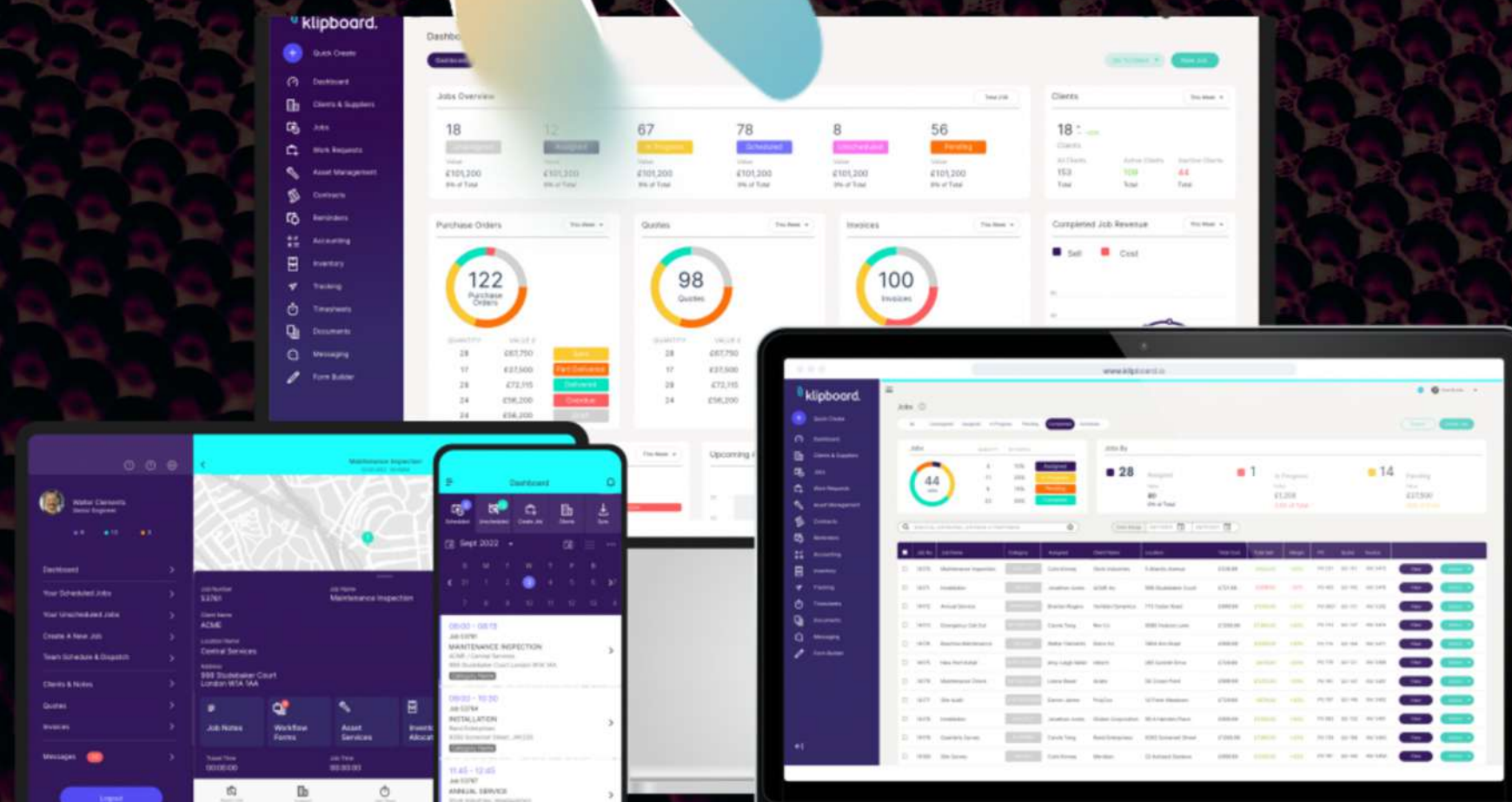
The system can be expanded to manage more devices or incorporate additional features.



[Home](#)[About Us](#)[Contact](#)

CONCLUSION

- THE MEDICAL DEVICE MANAGEMENT SYSTEM HELPS HEALTHCARE FACILITIES EFFICIENTLY MANAGE AND TRACK THE STATUS OF MEDICAL DEVICES.
- THIS SYSTEM NOT ONLY SAVES TIME BUT ALSO REDUCES THE CHANCES OF DEVICE FAILURE, IMPROVING THE OVERALL SAFETY AND RELIABILITY OF HEALTHCARE OPERATIONS.
- BY USING THIS SYSTEM, HOSPITALS AND CLINICS CAN ENSURE TIMELY MAINTENANCE, PREVENT DEVICE MALFUNCTION, AND MAINTAIN A HIGH STANDARD OF PATIENT CARE.



GITHUB LINKS

AZIZ: [HTTPS://GITHUB.COM/
BORZO595/FINAL-EXAM](https://github.com/BORZO595/FINAL-EXAM)

AMIR: [HTTPS://GITHUB.COM/
JAIROSAMIRO1/FINAL-EXAM](https://github.com/JAIROSAMIRO1/FINAL-EXAM)