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| **Proposal Form** |

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| **Title** | HOSPITAL MANAGEMENT SYSTEM |

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| **Group**  **Members** |  |

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| **Problem** | Hospitals face challenges with manual paperwork, long wait times, and disorganized processes. This leads to errors, delays, and higher costs, affecting patient care and staff efficiency. |

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| **Requirements** | Our project aims to create a digital system to solve these issues. Key features include:   1. **Patient Management**  * Add Patient: Enter and store patient details (ID, name, age, ailment, gender). * View Patients: Display all patients in a formatted table. * Check Patient: Search and display patient details by ID.  1. **Doctor Management**  * Add Doctor: Enter and store doctor details (ID, name, specialty). * View Doctors: Display all doctors in a formatted table.  1. **Appointment Scheduling**  * Book Appointment: Schedule appointments with patient ID, doctor ID, and date, ensuring no double-booking. * Check Appointment: Display appointments by patient ID.  1. **User Interface**  * Command-Line Interface: Menu-driven options for managing patients, doctors, and appointments. * Navigation and Input Handling: Clear instructions and feedback for user actions.  1. **Error Handling**   Validate inputs, ensure unique patient IDs, and handle booking conflicts with clear error messages. |