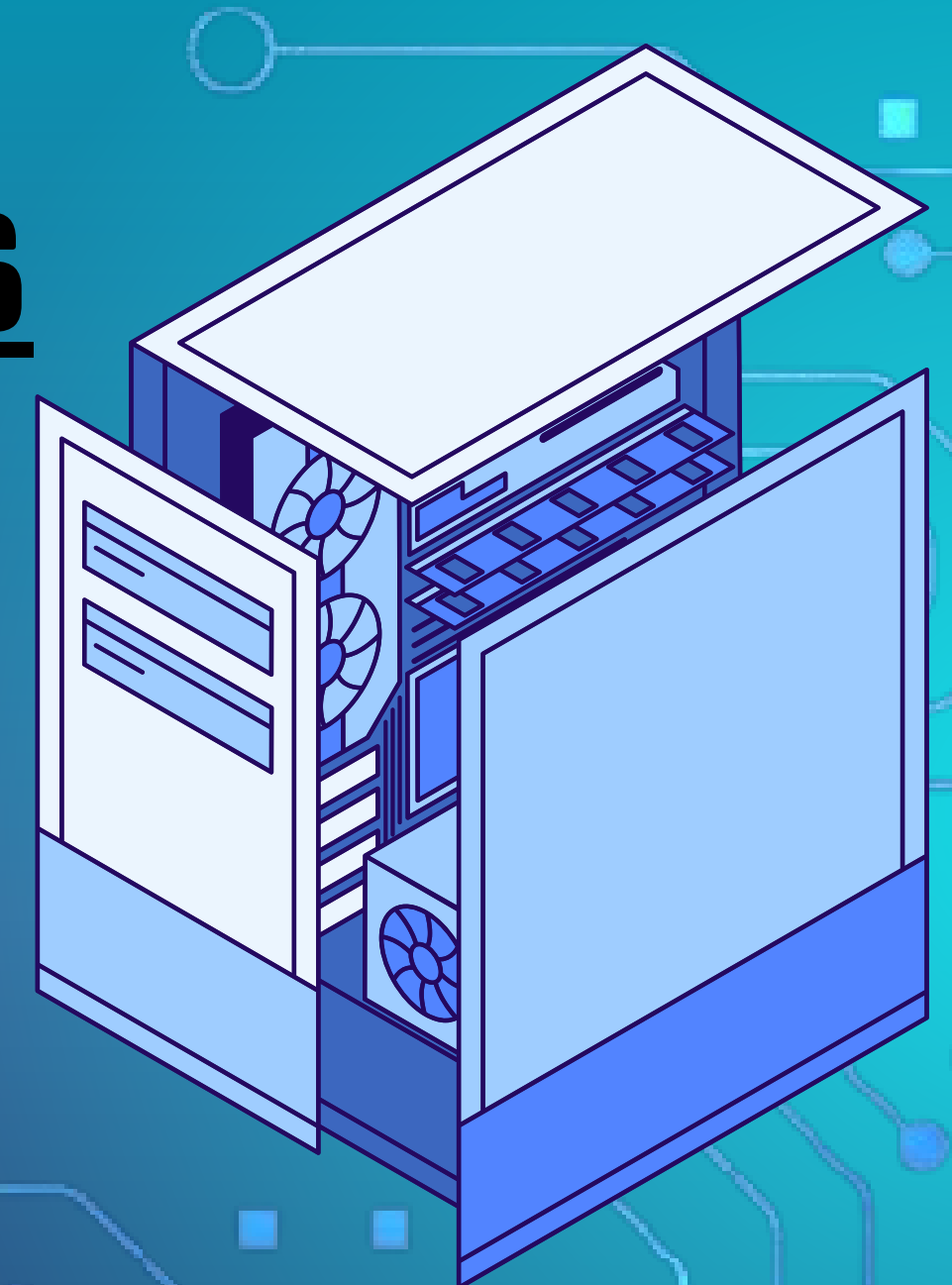


# MINI LIBRARY MANAGEMENT SYSTEM



# GROUP MEMBERS

- 1) Umair Naseem
- 2) Faraz Ahmed
- 3) Abdul Latif
- 4) Tamseel



# **INTRODUCTION**

**THE MINI LIBRARY MANAGEMENT SYSTEM IS A WEB-BASED PROJECT  
DESIGNED TO MANAGE BOOKS, MEMBERS, AND TRANSACTIONS.**

**IT HELPS LIBRARIES AUTOMATE ISSUING, RETURNING, AND  
TRACKING OF BOOKS.**

# **OBJECTIVES**

- PROVIDE AN EASY-TO-USE SYSTEM FOR MANAGING LIBRARY RESOURCES**
- AUTOMATE BOOK ISSUE AND RETURN PROCESS**
  - MAINTAIN MEMBER DETAILS EFFICIENTLY**
  - STORE DATA IN A STRUCTURED DATABASE**

# TECHNOLOGIES USED

- FRONTEND: HTML, CSS
- BACKEND: NODE.JS
- DATABASE: MYSQL/SQL
- TOOLS: NPM PACKAGES, EXPRESS.JS

# **SYSTEM FEATURES**

- MANAGE BOOKS (ADD, VIEW, DELETE)**
  - MANAGE MEMBERS**
  - ISSUE BOOKS**
  - RETURN BOOKS**
- CONTACT/HELP PAGE**

# **DATABASE DESIGN**

**THE LMS.SQL FILE DEFINES THE DATABASE STRUCTURE:**

- TABLES FOR BOOKS, MEMBERS, AND TRANSACTIONS**
- PRIMARY KEYS ENSURE UNIQUE IDENTIFICATION**
- FOREIGN KEYS MAINTAIN RELATIONSHIPS BETWEEN ENTITIES**

# USER INTERFACE

