

GLOSSARY OF TERMS

Term	Definition
API	Application Programming Interface - A set of rules and protocols that allows different software applications to communicate with each other. In this project, it facilitates communication between the user interface (frontend) and the server/database (backend).
BSON	Binary JSON - A binary-encoded serialization of JSON-like documents. MongoDB uses BSON for storing and transferring data, as it is more efficient in space and speed than standard JSON.
CEO	Chief Executive Officer - The highest-ranking executive in an organization. In this research, the CEO of The Room 19 Library is the primary stakeholder and user providing requirements.
ERD	Entity Relationship Diagram - A visual flowchart that illustrates how "entities" (like staff, books, or loans) relate to each other within a database system. It is a crucial tool for database design.
MERN	An acronym for a full-stack JavaScript framework consisting of MongoDB (database), Express.js (backend framework), React (frontend library), and Node.js (runtime environment)
NPM	Node Package Manager - The default package manager for Node.js, used to install, manage, and share reusable code packages (dependencies) in a project.
ORDBMS	Object-Relational Database Management System - A database system that combines the capabilities of a relational database with object-oriented features. PostgreSQL is an example of an ORDBMS.

SDGs	Sustainable Development Goals – A set of 17 global goals established by the United Nations to address global challenges, including quality education and sustainable communities, which are relevant to the library's mission.
SDLC	Software Development Life Cycle - A structured process that outlines the phases involved in creating and maintaining software, from initial planning and requirements gathering to deployment and maintenance.
SMEs	Small and Medium-sized Enterprises - Businesses that fall below certain thresholds for employees and revenue. The developed system is presented as a model for other creative SMEs.
SUS	System Usability Scale - A standardized questionnaire used to measure the perceived usability of a system. It provides a quantitative score from 0 to 100 based on user feedback.
UML	Unified Modeling Language - A standardized modeling language used in software engineering to create visual representations of a system's design, including its structure, behavior, and interactions.