

# Project Design Phase II

## Technology Stack & Tools Used

**Date:** 20 JULY 2025  
**Team ID:** LTVIP2025TMID48243  
**Project Name:** ShopMart

### Technologies & Toolkits Used

Category	Technology / Tool	Purpose
Frontend (if applicable)	HTML, CSS (Optional for Admin Panel)	For product visualization and static pages
Backend	Node.js (Express.js)	REST API creation, request handling
Database	MongoDB (via MongoDB Compass)	Data storage for users, products, orders, and reviews
API Testing	Thunder Client (VS Code Extension)	Testing APIs (login, cart, checkout, etc.) during development
Version Control	Git, GitHub	Code versioning and team collaboration
Development Environment	Visual Studio Code	Code editing, debugging, extension support
Security	bcrypt.js, JWT	Password hashing, user authentication and authorization
Hosting / Deployment	(To be defined)	Future cloud deployment (e.g., Render, Railway, or Vercel)