

Date	Week	Day	Morning Session (09:00~12:00)	Morning Type	Afternoon Session (13:00~18:00)	Afternoon Type
FRONT-END						
2025-06-30	Week 1	Mon	HTML/CSS Basics	Theory	HTML Elements Practice	Practice
2025-07-01	Week 1	Tue	JavaScript Fundamentals	Theory	Simple DOM Practice	Practice
2025-07-02	Week 1	Wed	Introduction to React & Project Setup	Theory	Component Structure Practice (Vite)	Practice
2025-07-03	Week 1	Thu	JSX, Props, and State Concepts	Theory	Basic State Management Practice (useState)	Practice
2025-07-04	Week 1	Fri	Event Handling	Theory	Mini Component Implementation Task	Theory
2025-07-07	Week 2	Mon	React useEffect & Component Lifecycle	Theory	useEffect Usage Practice	Practice
2025-07-08	Week 2	Tue	Basics of React Router	Theory	Routing Page Practice	Practice
2025-07-09	Week 2	Wed	Context API & Global State Management	Theory	Implement Theme Switch with Context API	Practice
2025-07-10	Week 2	Thu	Form Handling (Formik, Hook Form)	Theory	Simple Login Form Practice	Theory
2025-07-11	Week 2	Fri	To-Do App Requirement Analysis	Theory	App Implementation Practice	Practice
2025-07-14	Week 3	Mon	Introduction to Next.js & CSR/SSR Concepts	Theory	Next.js Project Setup	Practice
2025-07-15	Week 3	Tue	Next.js Routing & Page Setup	Theory	Static vs Dynamic Page Practice	Practice
2025-07-16	Week 3	Wed	JWT Concepts & Authentication Flow	Theory	JWT Login Logic Practice	Practice
2025-07-17	Week 3	Thu	Image Optimization with Next/Image	Theory	Image Optimization Practice	Practice
2025-07-18	Week 3	Fri	Next + React Recap	Theory	Frontend Project Planning (Team)	Practice
2025-07-21	Week 4	Mon	Project Planning & Feedback	Theory	Initial Page Composition Practice	Practice
2025-07-22	Week 4	Tue	UI Frameworks Overview (Tailwind, MUI)	Theory	Design Application Practice	Practice

2025-07-23	Week 4	Wed	State Management Tools Intro (Recoil, Zustand)	Practice	Apply to To-Do App Practice	Practice
BACKEND						
2025-07-24	Week 4	Thu	Team Project Architecture Design	Theory	Initial Feature Development	Practice
2025-07-25	Week 4	Fri	Introduction to Spring Boot & Environment Setup	Practice	Create Project with Spring Initializr	Theory
2025-07-28	Week 5	Mon	MVC Architecture Concepts	Theory	Controller/Service Structure Practice	Practice
2025-07-29	Week 5	Tue	REST API Concepts & Design	Theory	Basic CRUD API Implementation	Practice
2025-07-30	Week 5	Wed	MySQL & JPA Basics	Theory	Database Integration & Data Saving Practice	Practice
2025-07-31	Week 5	Thu	Postman Testing Methods	Theory / Practice	API Test	Theory / Practice
2025-08-01	Week 5	Fri	Overview of JWT Authentication	Theory	JWT-based Login Implementation	Practice
2025-08-04	Week 6	Mon	Understanding OAuth2 Flow	Theory	Google OAuth Integration Practice	Practice
2025-08-05	Week 6	Tue	Authentication Data Management Strategies	Theory	Session vs Token Storage Practice	Practice
2025-08-06	Week 6	Wed	Basics of Docker	Theory	Dockerize Spring Boot App Practice	Practice
2025-08-07	Week 6	Thu	Understanding Docker Compose	Theory	Docker Compose: DB + API Practice	Practice
2025-08-08	Week 6	Fri	CI/CD Fundamentals	Theory	GitHub Actions Setup Practice	Practice
2025-08-11	Week 7	Mon	Introduction to AWS/GCP	Theory	Basic EC2 Deployment Practice	Practice
2025-08-12	Week 7	Tue	Security Basics (XSS, SQLi)	Theory	Security Vulnerability Practice	Practice
2025-08-13	Week 7	Wed	Cloud Deployment Flow	Theory	Real Cluster Deployment Practice	Practice
2025-08-14	Week 7	Thu	Codebase Refactoring	Practice	Codebase Refactoring	Practice
2025-08-15	Week 7	Fri	Code Optimization & Review Practice	Practice	Code Optimization & Review Practice	Practice
2025-08-18	Week 8	Mon	Full-Stack Integration Structure Review	Theory	Full-Stack Integration Structure Review	Practice

2025-08-19	Week 8	Tue	Frontend-Backend Integration Practice	Practice	Frontend-Backend Integration Practice	Practice
2025-08-20	Week 8	Wed	Error Handling Basics	Theory	Error Response & UX Enhancement Practice	Practice
2025-08-21	Week 8	Thu	GraphQL Basics	Theory	Apollo Client Integration Practice	Practice
2025-08-22	Week 8	Fri	Introduction to WebSocket	Practice	Real-Time Chat Feature Practice	Practice
2025-08-25	Week 9	Mon	Team Project Phase 1 Review	Practice	Team Project Phase 1 Review	Practice
2025-08-26	Week 9	Tue	Apply Feedback & Feature Enhancement	Practice	Apply Feedback & Feature Enhancement	Practice
2025-08-27	Week 9	Wed	Team Project Role Assignment Review	Theory	Backend Feature Completion	Practice
2025-08-28	Week 9	Thu	Frontend Integration Check	Theory	API Integration Debugging	Practice
2025-08-29	Week 9	Fri	Database Optimization Techniques	Theory	Index Setup Practice	Practice
2025-09-03	Week 10	Wed	Performance Measurement Tools Intro	Theory	Performance Audit with Lighthouse	Practice
2025-09-04	Week 10	Thu	Deployment Environment Rehearsal	Practice	Final Deployment Practice	Theory / Practice
2025-09-05	Week 10	Fri	Final Presentation Structure Design	Theory	PPT Creation & Slide Composition	Practice
2025-09-08	Week 11	Mon	Code Review & Documentation Methods	Theory	Documentation Practice (Swagger)	Practice
2025-09-09	Week 11	Tue	Test Code Writing Concepts	Practice	Jest & E2E Testing Practice	Theory / Practice
2025-09-10	Week 11	Wed	Final QA & Feature Review	Theory	Final QA & Feature Review	Practice
2025-09-11	Week 11	Thu	Bug Fix & Stabilization	Practice	Bug Fix & Stabilization	Practice
2025-09-12	Week 11	Fri	Team Demo	Practice	Feedback	Practice
2025-09-15	Week 12	Mon	Final Feature Implementation	Theory	Final Feature Implementation	Practice
2025-09-16	Week 12	Tue	Unit Testing & Refactoring	Practice	Unit Testing & Refactoring	Practice
2025-09-17	Week 12	Wed	Frontend-Backend Integration Testing	Theory	Frontend-Backend Integration Testing	Practice
2025-09-18	Week 12	Thu	UI/UX Polish & Bug Fixing	Practice	UI/UX Polish & Bug Fixing	Practice

2025-09-19	Week 12	Fri	Database Optimization & Query Tuning	Practice	Performance Profiling (Lighthouse, Metrics)	Practice
2025-09-22	Week 13	Mon	Security Review (JWT/OAuth, XSS, SQLi)	Theory	Vulnerability Fixing	Practice
2025-09-23	Week 13	Tue	CI/CD Pipeline Review (GitHub Actions)	Practice	Final Deployment Rehearsal	Practice
2025-09-24	Week 13	Wed	Final Code Review (Team)	Practice	Documentation & Swagger Setup	Practice
2025-09-25	Week 13	Thu	Demo Flow Design + Slide Deck Prep	Practice	Mock Presentation & Feedback	Practice
2025-09-26	Week 13	Fri	Mock Presentation & Feedback	Practice	Project Polishing	Practice
2025-09-29	Week 14	Mon	Project Polishing	Practice	Demo Rehearsal (Instructor Feedback)	Practice
2025-09-30	Week 14	Tue	Final Team Project Demo Day (AM)	Practice	Graduation Ceremony & Retrospective (PM)	Practice

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