# Web Application Development Lab Section

## Introduction

Spring Semester – 2025-2026

Instructor: Msc. Nguyễn Trung Nghĩa

# Web Application Development

- **Resources**
  - Deliverables required for each lab section.
- **Duration**
  - 12 weeks / 4 periods per week
- **Schedule**
  - **Morning:** 08:15 – 11:30
  - **Afternoon:** 13:15 – 16:30
- **Attendance**
  - No more than 3 absences are allowed.
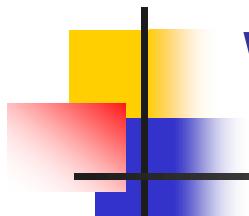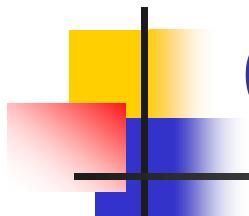
# Web Application Development

- **Rules**
  - AI support is allowed, but use it wisely. (I'll guiled you later)
  - Headphones may be used.
  - You are free to discuss with your classmates, but you must complete your own work.
  - Feel free to correct me
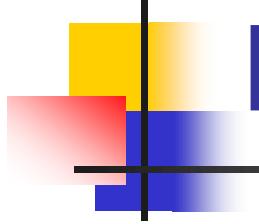
# Agenda

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|---|---|
| **Lab 0** | - Setup environment (VSCode, Intelij, NetBeans; MySQL) |
| **Lab 1** | - Bacis HTML- CSS |
| **Lab 2** | - Advance HTML, Cascading Style Sheet CSS<br>- Deploy frontend pages using Github.io<br>- Introduction to Bootstrap and other Library |
| **Lab 3** | JavaScript |
| **Lab 4** | Servlet/JSP (Introduction, Request Methods, Response Methods, Implement) |
| **Lab 5** | Servlet/JSP (Connect DB) *(Preparing for midterm)* |
| **Lab 6** | Introduction to Spring Boot |
| **Lab 7** | Spring boot security |
| **Lab 8-9** | Introduction to Nodejs |
| **Lab 10** | Web Session, Cookies and basic web security |
| **Lab 11** | Review for project |
| **Lab 12** | Project presentation |
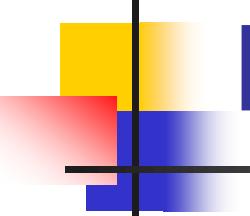
# Grading policy

- Quiz & Attendance: 30%
- Lab Assignments: 30%
- Project: 40%
  - 20% report
  - 30% viva
  - 50% demo
- If demo fails, your project marks will be demo's marks
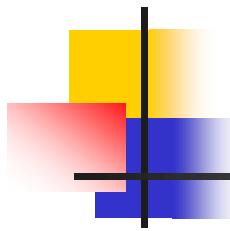
# Project

- Choose your group partners (2-3 students per each group)
- Choose your own topics or from advisor's suggestion (Check blackboard)
- Presentation will be hosted at the last week

# Project guideline

- Requirement
- Use cases design
- Database design
- Interface design
- Demonstration (must be included real data manipulation such as insert, view, update, delete, select, search, etc)
- **Add as more technology as possible**

# Q & A