# 2-Week Project Timeline (Backend & Frontend)

This document outlines the proposed 2-week development timeline for the classroom and cohort management system. The project involves two developers: one handling backend (API design and implementation) and the other handling frontend (UI implementation and integration).

## Week 1

### Day 1–2

Backend:

- Setup project structure (framework, database schema, migrations)  
- Implement authentication and user management APIs

Frontend:

- Connect login/register forms to APIs  
- Build dashboard (cards, quick actions, notifications preview)

### Day 3–4

Backend:

- Implement Course APIs (create, update, delete, list)  
- Implement Cohort APIs (create, assign to course, list)

Frontend:

- Integrate Courses list and Course Overview  
- Implement Cohorts tab (display and create)

### Day 5–6

Backend:

- Develop Coursework APIs (materials, assignments, quizzes grouped by topics)  
- Develop Cohort Classwork APIs (link/unlink from master coursework)

Frontend:

- Build Coursework tab (Google Classroom style with search/filter)  
- Implement Cohort Classwork tab

### Day 7

Backend & Frontend:

- Sync and debug all implemented features  
- Ensure Courses, Cohorts, and Classwork flows are stable

## Week 2

### Day 8–9

Backend:

- Implement Students API (enroll, invite, list per cohort)  
- Implement Payments API (fees, student status, reminders)

Frontend:

- Build Students tab (roster, invite modal)  
- Integrate Payments tab (table with status)

### Day 10–11

Backend:

- Develop Discussions API (threads, replies, pin posts)  
- Develop Collaborators API (course-level and cohort-level)

Frontend:

- Build Discussions tab  
- Build Collaborators tab

### Day 12–13

Backend:

- Implement Grading/Performance API (scores, averages, progress)  
- Implement Wallet & Earnings API (balance, transactions, withdraw)

Frontend:

- Build Grading tab (spreadsheet-style)  
- Build Wallet tab (balance + earnings graph)

### Day 14

Backend & Frontend:

- Perform end-to-end testing  
- Fix mismatched APIs and frontend issues  
- Polish UI/UX (animations, loading states, notifications)