# Project Documentation

Created on: 07.04.2025

## 1. Project Overview

• Project Name: Web programming Final project

• Objective: To offer a user-friendly and engaging digital learning platform that helps students grasp academic concepts with ease, prepare effectively for exams, and study at their own pace. Through high-quality video content, interactive quizzes, personalized learning paths, and instant academic assistance, we aim to support learners in building confidence and reaching their full academic potential—anytime, from anywhere.

• Team Members: Dilnoza Eraliyeva, Nodirbek Rejabaliyev , Ruxshona Berdimurodova

- Project Manager: Ruxshona Berdimurodova

- Front-End Developers: Nodirbek Rejabaliyev

- UI/UX Designer: Nodirbek Rejabaliyev

- Backend Developer 1 (HTTP & Endpoints): Dilnoza Eraliyeva

- Backend Developer 2 (Database Integration): Dilnoza Eraliyeva

• Start Date: 07.04.2025

• End Date: 22.04.2025

## 2. Roles & Responsibilities

• Project Manager:

1. Oversees timeline and progress;
2. Document workflows and challenges in README.md and ensure all directories are well-documented;
3. Participate in backend tasks like creating DTOs for requests/responds handling and implementing mapping.

• Front-End Developer:

1. Build React.js, manage API communication and maintain state management;
2. Documents all frontend-specific directories with .md files.

• UI/UX Designer:

1. Design user-friendly inerface;
2. Create directory-specific documentation for the frontend;
3. Collaborate on DTOs and implement parts of objects.

• Backend Developer 1:

1. Implement controllers, endpoints and handle input/response processing;
2. Ensures backend directories.

• Backend Developer 2:

1. Define entries, manage relationships and write queries;
2. Document the database-related directories.

## 3.Project Timeline & Milestones

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| **N** | **Project Milestones** | **Descriptions** | **Timeline** |
| 1 | Planning | 1. Meeting with team 2. Brainstormed on ideas and finalized topic of project 3. Assigned roles | 11.04.2025 |
| 2 | Development | 1. Built base React.js components and routing 2. Finalized UI designs and start applying styles 3. Implemented basic controllers and endpoints 4. Set up database schema, entries and repositories | 16.04.2025 |
| 3 | Development | 1. Finalized services and object mapping in Back-end 2. Implemented dynamic rendering 3. Connected Backend and Front-end | 21.04.2025 |
| 4 | Testing | 1. Completed all features and fix bugs 2. Finalized README.md 3. Tested every part of the code manually and added some improvements where needed | 22.04.2025 |
| 5 | Deployment | 1. Release of final version | 22.04.2025 |