



StudyMate

Collaborative Learning Platform for Students



Meet the Team Behind StudyMate



Yaroslav

Backend Developer



Lukman

Project Manager, Tester



Alkhakim

Frontend Developer

The Challenge: Fragmented Student Collaboration

What Problems Are We Solving?

- Study materials are scattered across various messengers and cloud drives, making them hard to find and manage.
- Students struggle to find compatible project partners with matching skills or availability.
- There's no single, integrated platform for managing materials, coordinating projects, and facilitating collaboration.



Why Is This Important?

These issues significantly impact:

- University students working on academic projects requiring teamwork.
- Students enrolled in project-based courses.
- Individuals preparing for exams and study sessions.

StudyMate: Our Vision and Scope

1

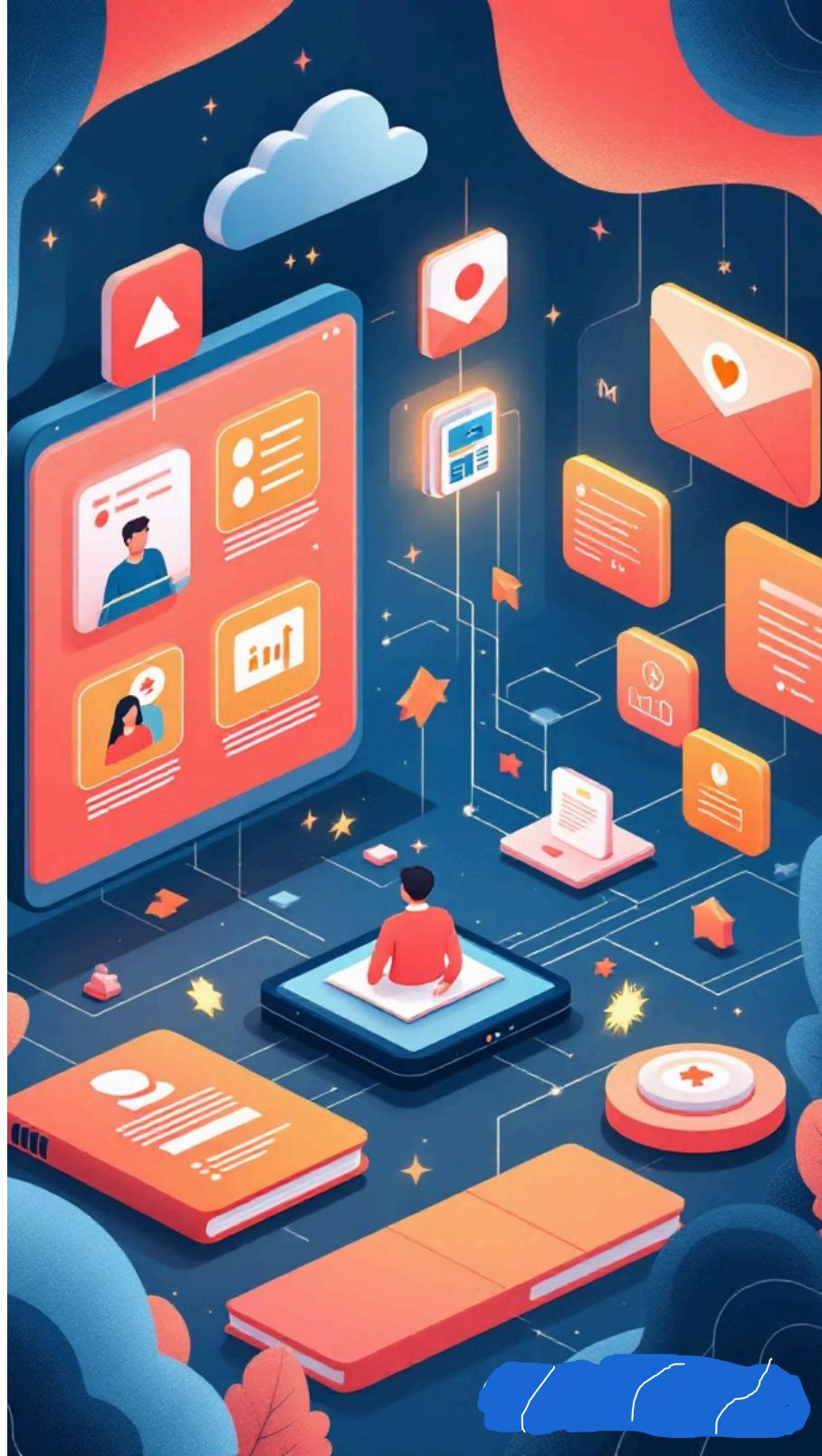
Main Goal

To create a **unified web platform** where students can efficiently manage study materials, easily find project partners, and collaborate seamlessly.

2

MVP Scope: Key Features

- User registration and secure login process.
- Personalised student profiles.
- Upload and comprehensive search functionality for study materials.
- Project creation and joining capabilities.
- Basic chatbot assistant for guidance.



Understanding Our Users: Needs and Requirements

Target Users

- Undergraduate and postgraduate university students.
- Small academic project teams across various disciplines.



Main User Needs (User Stories)

→ Access Dashboard

As a student, I want to register and log in to access my personalised dashboard.

→ Upload Materials

As a student, I want to upload materials to store my notes and resources securely.

→ Find Projects

As a student, I want to search for projects and easily join a team.

→ Chatbot Guidance

As a student, I want to use a chatbot for quick guidance and support.

Project Development Timeline

Our structured approach to bringing StudyMate to life.

01

Idea & Problem Analysis

Initial brainstorming and thorough analysis of student collaboration challenges.

02

PRD and User Stories Creation

Development of the Product Requirements Document and detailed user stories.

03

Database Design

Designing a robust and scalable database architecture for all StudyMate data.

04

Backend Development

Implementation of the backend logic using PHP and MySQL.

05

Frontend Pages

Crafting user-friendly interfaces with HTML5 and Tailwind CSS.

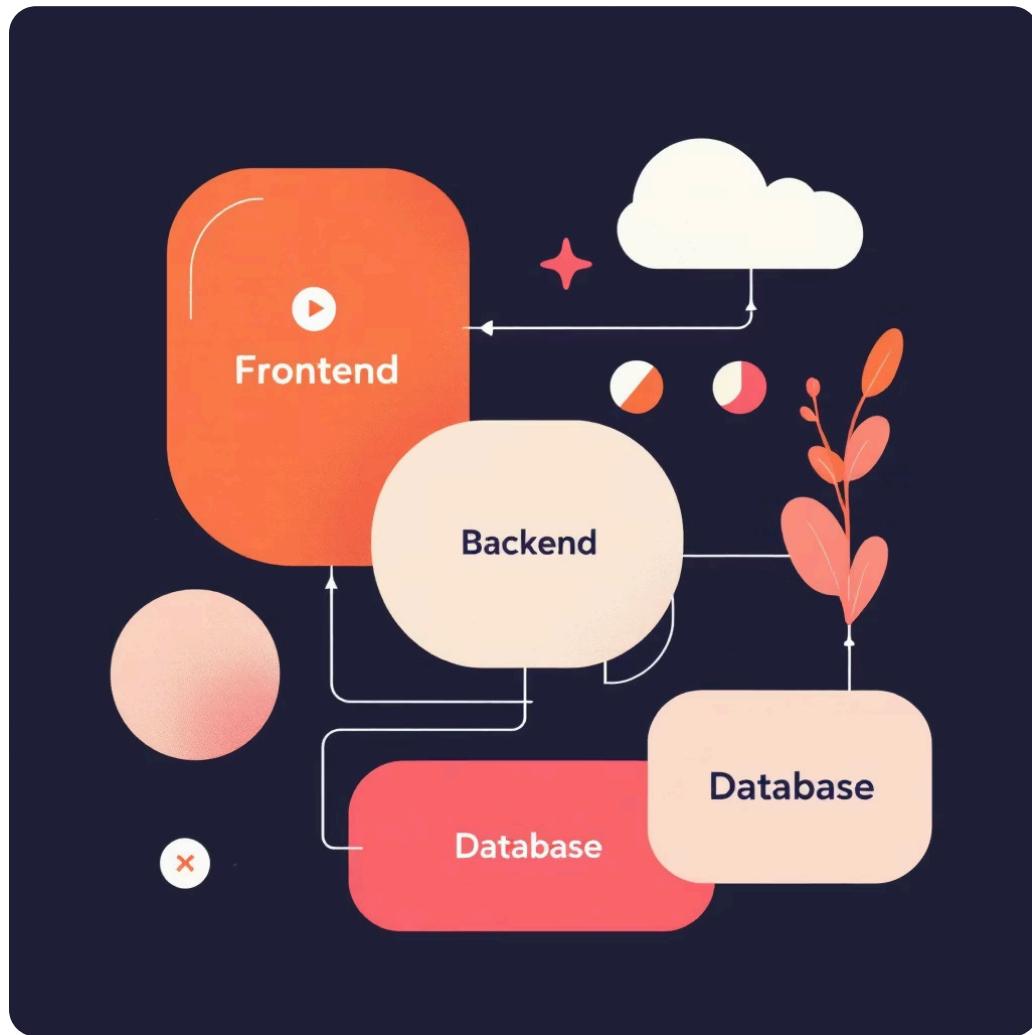
06

MVP Integration & Testing

Bringing all components together for comprehensive testing and refinement.

StudyMate MVP: System Architecture

An overview of the technologies and components driving our platform.



Main Components

Authentication Module



Materials Management



Projects & Teams System



Chatbot Module

Core Technologies

- **Frontend:** HTML5, Tailwind CSS, JavaScript for responsive and modern interfaces.
- **Backend:** PHP 8 as a monolithic application for robust server-side logic.
- **Database:** MySQL 8 for efficient data storage and retrieval.

Implemented Features in the MVP

Our initial build delivers essential functionalities for a collaborative learning experience.

User Authentication

Secure user registration with hashed passwords, streamlined login, and session management for continuous access.

Material Management

Functionality for uploading and storing diverse study materials, organised for easy access.

Project Collaboration

Dynamic project listing and an intuitive system for students to join relevant teams.

Chatbot Assistance

A simple, rule-based chatbot designed to answer basic navigation and platform-related queries.

Personal Dashboard

A personalised user dashboard providing an overview of materials, projects, and activities.

User Feedback & Validation

Gathering insights to refine StudyMate and ensure user satisfaction.

How Feedback Was Collected

- A formal demo presentation to classmates provided initial reactions and suggestions.
- Informal interviews with a diverse group of students helped uncover specific pain points and desires.
- Direct observations during testing sessions offered insights into user behaviour and interaction with the platform.



Key Findings

"Having all my study materials in one place is incredibly convenient!"

"The project search feature is a game-changer for finding team members."

"The chatbot was surprisingly helpful for basic navigation questions."

Conclusion: The Future of StudyMate



Addressing Core Problems

1

StudyMate effectively addresses real-world student collaboration and material management challenges.



Robust MVP

2

Our Minimum Viable Product successfully demonstrates the core functionality and potential of the platform.



Ready for Expansion

3

The platform is well-positioned for future improvements, including advanced AI chatbot features and a dedicated mobile application.

Thank you for your time!

