

**Buddy
For
Study**

Introduction

University students often face significant challenges in finding accessible and effective academic assistance. Traditional solutions, such as professors' office hours, can feel intimidating for some, while existing peer-learning options lack streamlined matching and ease of use. Recognizing these gaps, Buddy for Study emerges as a skill-exchanging app designed to empower students by facilitating peer-to-peer learning.



Key Features

The Skill Matching System pairs students with experts based on academic needs, availability, and preferred interaction. The platform offers cross-device accessibility with a responsive design and native mobile app. Feedback and ratings ensure quality, with a recognition system for top-rated helpers.

01.

Skill Matching System

02.

Cross-Platform Accessibility

03.

Feedback and Ratings

Plan

Technologies

Backend: Flask
Frontend: Flutter
Database: PostgreSQL
Cloud: Google Cloud
Version Control: GitHub
Management: Notion

Communication

Internal: Discord
Client: Email, Zoom
Docs: Google Drive
Issues: GitHub

Team

Roles: Project Manager, Developers, QA, UI/UX
Designers, System Admins, Stakeholders

Target Audience

Primary: University students
Secondary: App administrators

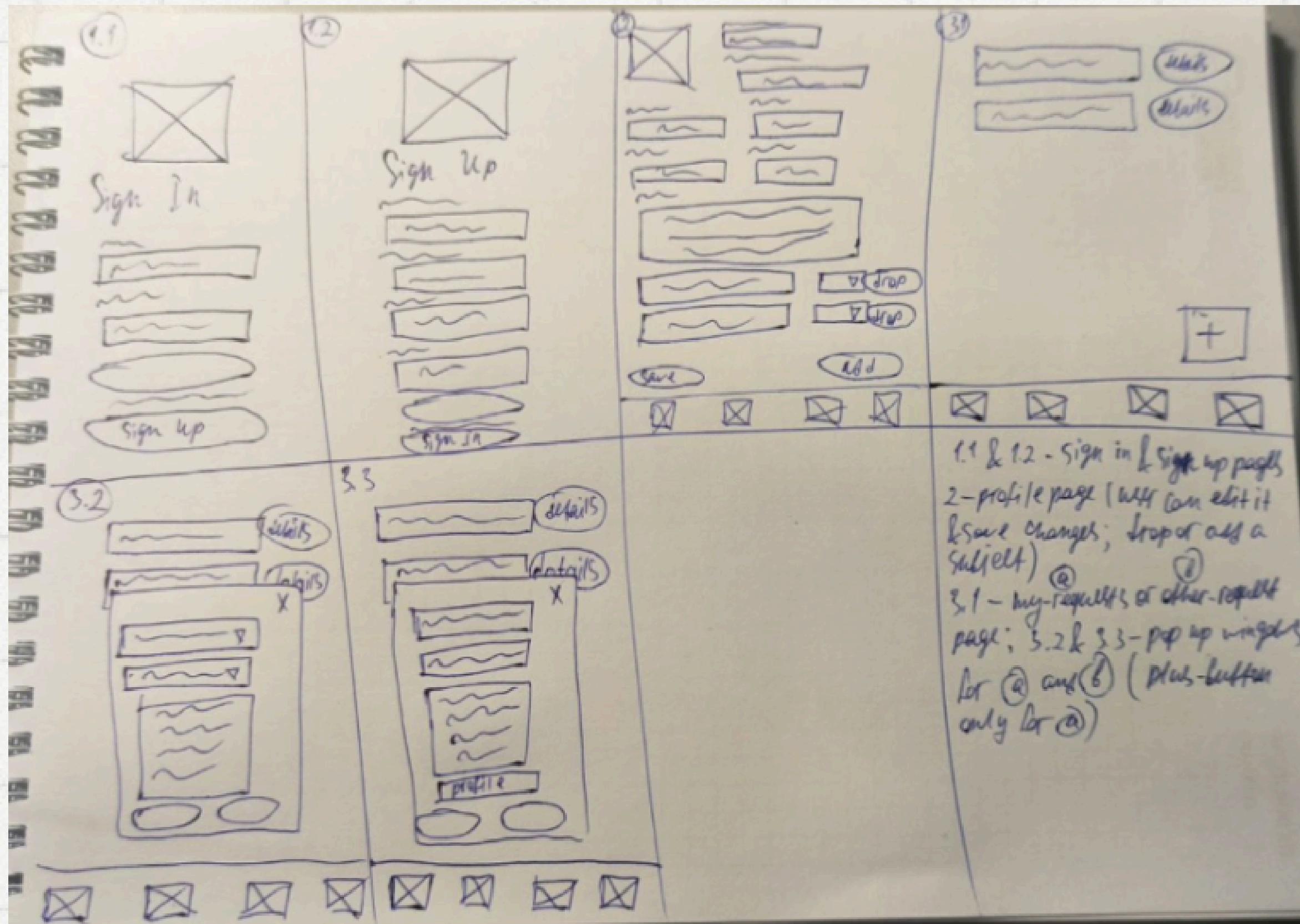
Expected Results

Scalable, user-friendly app with high satisfaction and adoption

Success Metrics

On-time delivery
Budget adherence
>85% user satisfaction
<1% critical errors

Wireframes:



Prototype:

The image displays four wireframe prototypes of a user interface, arranged horizontally. Each prototype consists of two main sections: a user profile editor on the left and a course list on the right.

User Profile Editor (Left Side):

- Version 1:** Features a large placeholder image with a diagonal cross. Below it are input fields for Name, Surname, Gender, Course, Email, Password, Telegram alias, Username, and a large About you text area. At the bottom are Save and Add buttons, and a toolbar with icons for Help, Location, Clock, and File.
- Version 2:** Shows three subject selection slots. Each slot contains a dropdown for Subject and Level, followed by a Drop button. A central plus sign (+) button is located below the slots.
- Version 3:** Similar to Version 2, but the subject selection slots are represented by rounded rectangles.
- Version 4:** Shows three subject selection slots, each with a dropdown for Subject and Level, followed by a Drop button. A central plus sign (+) button is located below the slots.

Course List (Right Side):

- Version 1:** Displays three cards: "Math Analysis I - 2D Integration" (Details), "Agla I - Matrices" (Details), and "Networks - API" (Details).
- Version 2:** Displays three cards: "Math Analysis I - 2D Integration" (Details), "Agla I - Matrices" (Details), and "Networks - API" (Details).
- Version 3:** Displays three cards: "Math Analysis I - 2D Integration" (Details), "Agla I - Matrices" (Details), and "Networks - API" (Details).
- Version 4:** Displays three cards: "Math Analysis I - 2D Integration" (Details), "Agla I - Matrices" (Details), and "Networks - API" (Details). It includes a Filter dropdown at the top left.



Sign Up

Username
A_seeker

Email
Enter your email

Password
Enter your password

Confirm Password
Re-enter your password

[Sign up](#)

Already have an account?
[Sign in](#)



Sign In

Username
Enter your username

Password
Enter your password

[Sign in](#)

Not registered yet?
[Sign up](#)

Math Analysis 1 - Limits [Details](#)

Math Analysis 1 - Sequences [Details](#)

Math Analysis 1 - Integration [Details](#)

[+](#)

[Request](#) [Response](#) [History](#) [Profile](#)

Math Analysis 1 - Limits [Details](#)

Math Analysis 1 - Sequences [Details](#)

Math Analysis 1 - Integration [Details](#)

[+](#)

[Request](#) [Response](#) [History](#) [Profile](#)



Name
Enter your name

Surname
Enter your surname

Gender
Course

Telegram Alias
Enter your alias

Email
Edit your email

Username
Edit your username

Password
Edit your password

About You
Write about yourself

Subject
Select [Drop](#)

Subject
Select [Drop](#)

Subject
Select [Drop](#)

[Add](#) [Save](#)

[Request](#) [Response](#) [History](#) [Profile](#)

Development

❖ Technologies

Backend: Flask
Frontend: Flutter
Database: PostgreSQL
CI/CD: GitHub Actions
Testing: PyTest
Version Control: GitHub

❖ Communication

Weekly stand-ups, sprint reviews (Agile)
Task updates via Notion

❖ Outcome

Clear sprint goals and alignment with coding standards

❖ Experts

Clear sprint goals and alignment with coding standards

❖ Success Metrics

85% code coverage in tests
48h bug resolution for issues
95% CI/CD deployment success
90% sprint goals achieved





Survey

Tools: Google Forms

Communication: Online surveys, mockups for insights

Outcome: Understand user needs, pain points, and expectations

Experts: Researchers, UX designers, product managers

Deployment

Tools

Yandex Cloud
Docker
GitHub Actions.

Roles

DevOps
System Admins
Developers
QA

Key Steps

Deployment planning and reviews.
Timely updates and feedback collection.

Success Metrics

Deployment on time
Uptime >99.9%
Errors <10%.
Positive feedback >70%



Maintenance

Tools & Communication

GitHub Issues for tracking
Google Cloud Backup
Status updates and alerts via Notion

Key Roles

Admins
DevOps
QA
Support Teams.

Outcomes

Timely issue resolution
>99.9% uptime, >85% user satisfaction
Reliable performance, 100% backup recovery



Final Reflections

Purpose:

Deliver a robust, scalable, and user-friendly solution.

Key Features:

User-centric design, cross-platform accessibility, security.

Process:

Structured lifecycle with clear objectives, success metrics, and expert team involvement.

Technologies:

Cloud platforms, containerization, and monitoring tools.

Outcome:

Reliable, efficient, and adaptable software ready for future scalability and user satisfaction.



Thank you very much!



[Github link](#)