



# Startup Mission: Empowering Teachers and Enhancing Education

The core goal of this startup is to bring real benefits to the community by simplifying teachers' lives and improving education quality. Many educators spend excessive time on administrative tasks like paperwork, grading, and lesson planning, limiting their focus on teaching and student engagement.

Our solution is an intuitive, automated electronic platform that eases teachers' workload through lesson plans, tests, grading systems, and an AI assistant. This saves time and allows teachers to concentrate on their professional duties while promoting digital transformation in education.

By fostering a modern, efficient learning environment, this project supports both teachers and the broader educational ecosystem.

**RA** by Rukhshona Abdurakhimova



# Intuitive Grading System for Teachers

## Purpose

Allows teachers to input, view, and analyze student grades easily.

## Technology

- HTML tables for student lists and grades
- JavaScript for adding, editing, deleting grades and calculating averages
- LocalStorage to save data temporarily in the browser

## Usage

Teachers add grades per student, calculate averages with a button, and data persists after page refresh.



# Print Functionality: Exporting to PDF



## Goal

Enable teachers to export page data as PDF documents for offline use or sharing.



## Technology

Uses browser's native print function (`window.print()`) with CSS optimized for print media.



## Future Plans

Expand export options to Excel and Word formats using libraries like SheetJS, jsPDF, or server-side processing.

# AI Assistant: Interactive Support for Teachers

## MVP Features

- Simple chat interface for questions and demo answers
- Button to initiate AI queries

## Full Version

- Integration with OpenAI API (text-davinci-003, GPT-4)
- Backend processes user questions and returns AI-generated responses

## Technologies

- HTML for chat box UI
- JavaScript for displaying Q&A interactions





# Test and Question Module for Teachers

## Purpose

Allows teachers to create independent tests and evaluate results.

## Technology

- HTML forms for inputting questions and answer options
- JavaScript for adding questions, selecting answers, and checking correctness

## Usage

Teachers define questions, answer choices, and correct answers; users receive a score upon test completion.

# Lesson Plan Templates for Efficient Preparation



## Goal

Provide teachers with ready-made lesson plans and templates for various subjects.



## Technology

- HTML lists for subjects like Math, Physics, Language
- JavaScript to display corresponding lesson plans based on selection



## Usage

Teachers select subject templates and download or print them for classroom use.

# Visual Resource Integration with Pinterest

## MVP Features

- Search box for finding topic-related images
- Static demo gallery with sample image URLs

## Future Enhancements

- Full integration with Pinterest Developers API
- OAuth login for Pinterest
- Dynamic image retrieval based on user queries



# Conclusion and Future Expansion



## MVP Benefits

Simplifies lesson preparation, student assessment, test creation, and data usage for teachers.



## Next Steps

- Implement backend storage with Node.js, Firebase, or PHP
- Add user registration and login
- Enable PDF and Word export options
- Integrate real AI assistant via OpenAI API
- Enhance mobile responsiveness