

Product Vision

Problem Statement:

Teachers in small-to-medium educational institutions struggle with managing student grades and generating report cards efficiently. Current solutions are often too complex, lack support for customizable grading systems (e.g., weighted averages), and do not integrate seamlessly with database technologies. This leads to frustration, increased administrative workload, and potential errors in grade calculation and reporting.

Target Audience:

Our product is designed for teachers and educational institutions, particularly those in small-to-medium-sized schools or tutoring centers. These users value simplicity, accuracy, and the ability to customize grading systems to align with their unique requirements.

Value Proposition:

Our digital gradebook offers an intuitive, user-friendly interface for managing student grades, calculating averages, and generating report cards. With features like weighted averages and seamless database integration, our solution saves time, reduces errors, and enhances the overall efficiency of the grading process.

Key Features and Functionality:

1. **Grade Management:**
Record and update student grades for assignments, exams, and projects.
2. **Automated Calculations:**
Calculate averages, including support for weighted grading systems.
3. **Report Card Generation:**
Automatically create professional, customizable report cards based on student performance.
4. **Database Integration:**
Use MariaDB to store and retrieve student and grade data securely and efficiently.
5. **User-Friendly Interface:**
Leverage JavaFX for an intuitive, responsive, and visually appealing user experience.

Goals and Objectives:

- Increase user adoption rates by 90% among target institutions within 6 months of product launch.
- Improve user satisfaction scores to 4.5 or above (out of 5) within the first 3 months of use.
- Generate \$10,000 in revenue within the first year through licensing or subscription models.

Vision Statement:

Our vision is to create a seamless, efficient, and user-friendly gradebook system that empowers teachers to focus on teaching rather than administrative tasks. By simplifying the grading and report card process, we aim to enhance the educational experience for both teachers and students.