

Mini Project Proposal

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1. Project Title

Student Report Card Generator using Python

2. Overview

This project is about creating a simple Python program that allows users to add students, input their marks, and automatically generate a report card. I chose this project because it helps practice Python basics, object-oriented programming, and file handling in a real-world scenario.

3. Purpose

The main aim is to build a system that can generate student report cards, calculate grades, and store them in a file. It will help demonstrate how to use classes, functions, exception handling, and file writing in Python.

4. Tools and Technologies

- **Programming Language:** Python
- **Libraries:** python-docx or reportlab (for saving report card as a Word or PDF file)
- **Platform:** VS Code

5. Expected Output

The final result will be a program that:

- Takes input for student name and marks
- Calculates total, average, and grade
- Handles errors like invalid input
- Generates a clean and formatted report card for each student and saves it in a Word or PDF file