

Project Draft: FZ-Atracker

Project Title

FZ-Atracker: A Simple Academic Performance Tracker (Tentative Title – may evolve during development)

Problem Statement

Students often have difficulty keeping track of their grades, study progress, and academic performance over time. Without a proper system, it becomes challenging to identify patterns, areas needing improvement, and upcoming study reminders. Teachers also struggle to consolidate student progress in a structured way. FZ-Atracker aims to provide a simple yet effective solution by tracking scores, making predictions based on past performance, and reminding students to study. This addresses the problem of scattered grade tracking and helps both students and teachers manage academic progress more efficiently.

Project Objectives

1. To design a simple program that records and monitors student scores and grades.
2. To predict student performance trends based on previous results.
3. To provide notification reminders for studying.
4. To allow exporting or saving student grade records for reference.
5. To create an easy-to-use academic tracking tool for both students and teachers.

Planned Features

1. Notification Reminders – Alert students to study regularly.
2. Export Functionality – Save and export grades for later use.
3. Prediction Module – Make simple predictions based on past performance.
4. Tracking System – Record grades and scores consistently.
5. Error Handling – Handle invalid inputs like non-numeric grades.

Planned Inputs and Outputs

Inputs:

1. Student name
2. Subject scores or grades (e.g., 12/20, 14/20)
3. Number of attempts/tests

Outputs:

1. Individual scores per subject/test
2. Prediction of next score based on a past results

3. Study reminders
4. Exported grade file (future feature)

Sample Output:

Enter score: 12/20

Enter score: 14/20

Enter score: 12/20

Prediction: 13/20

Logic Plan Pseudocode:

Start

Ask for student name

Initialize empty list of scores While user wants to add score:

Input score

Validate input

Store score

Calculate prediction (e.g., average of scores)

Display all scores

Display predicted score

Option to export scores

Option to set study reminder

End

GitHub Repository Link

[\[https://github.com/zj45679/Layson-Abelgas\]](https://github.com/zj45679/Layson-Abelgas)

Contributors

Zirk Abelgas – Programmer

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