Project: Student Report Generator

Technology Used: Microsoft Excel, VBA

Overview:

This tool automates the generation of student report cards and exports them as PDFs. It uses two Excel files: "Book1" (the working file) and "Template" (used for formatting — do not edit unless necessary).

Instructions:

1. Setup (Sheet1 - Student & Subject Entry):

- Enter student names in Column A.

- Click "ADD SUBJECT ENTRY" to register each student.

- To remove a student, select their name and click "DELETE SUBJECT ENTRY".

- Use checkboxes to assign subjects to students.

- Use subject buttons above columns to filter the student list by subject.

- Click "REMOVE FILTERS" to reset and show all students.

-The default password for sorting by 1st name is PASSWORD.

-There's a search box that can be used to search for names.

2. Marks Entry (Sheet2):

- First, go to Sheet1 and filter by subject.

- Then go to Sheet2, click "APPLY FILTER", then "HIDE EMPTY NAMES" to show only students taking that subject.

- Use "SHOW ALL SPACE" to manually unhide rows, or use "REMOVE FILTERS" in Sheet1 to unhide all.

- You cannot enter marks for a student who is not registered for that subject in Sheet1.

- Each subject column in Sheet2 has its own password to prevent editing marks for the wrong subject.

- The default passwords are the short forms of the subject's names (e.g., AGR, BK), all uppercase. If uppercase doesn't work try lowercase (that's an error I often make).

-The default password for the whole Sheet is PASSWORD.

-Some cells on this Sheet are red/maroon/grey/darkened/ made to stand out in some way to indicate that a student doesn't take the Subject of that column.

-There's also a search box that can be used to search for names.

-I intend to add a search box for looking up marks.

3. Data Display (Sheet3):

- Displays marks and positions for individual subjects.

- Do not edit this sheet unless you know what you are doing.

4. Class Summary & Report Generation (Sheet4):

- Displays class points and rankings.

- Also displays a list of the students sorted by positions in class

- To generate report cards:

   - Click "CREATE REPORTS OF ALL" to generate for the whole class (takes time).

   - Or double-click a student's name to generate/update a single report card.

5. Missed Subjects (Sheet5):

-Shows students whose marks are missing for the subjects that they are registered for.

-Orange under a subject means that the marks have not been entered in Sheet 2.