**User Manual for PhilTech Management System**

**Program Overview**

The PhilTech Management System is a console-based application designed to manage various tasks, including student and teacher attendance, enrollment, classroom management, and end-of-grade (EOG) requests. It features a structured menu for easy navigation and user-friendly interactions.

**Getting Started**

1. **Run the Program**: Open the terminal or command prompt, compile the code (if necessary), and execute the program.
2. **Main Menu**: Upon starting, you will see the main menu with several options to choose from.

**Main Menu Options**

**1. Student Attendance**

* **Purpose**: Record and view student attendance for specific months.
* **Steps**:
  1. Select "Student Attendance" from the menu.
  2. Enter the student's name.
  3. Choose the desired month (options range from September 2024 to May 2025).
  4. View the generated calendar with present days in white and absent days in red.
  5. See a summary of attendance.

**2. Teacher's Attendance**

* **Purpose**: Record and view teacher attendance for specific months.
* **Steps**:
  1. Select "Teacher's Attendance" from the menu.
  2. Enter the teacher's name and subject.
  3. Choose the desired month (options range from September 2024 to May 2025).
  4. View the generated calendar with present and absent days.
  5. See a summary of attendance.

**3. Enrollment**

* **Purpose**: Gather and validate detailed enrollment information from students.
* **Steps**:
  1. Select "Enrollment" from the menu.
  2. Fill out the required details (e.g., name, contact, course, academic level).
  3. Review submitted information.
  4. Optionally edit specific fields before submission.

**4. EOG Request**

* **Purpose**: Generate and evaluate grades for various subjects.
* **Steps**:
  1. Select "EOG Request" from the menu.
  2. Enter student details, including name, number, course, and year level.
  3. View the generated grades and their evaluation (PASS/FAIL).
  4. Optionally repeat for another student.

**5. Classroom Management**

* **Purpose**: Display classroom schedules for different courses, years, and sections.
* **Steps**:
  1. Select "Classroom Management" from the menu.
  2. Choose the course (BTVTED, BSCS, BSOA).
  3. Select the year level (1st to 4th year).
  4. Choose the section.
  5. View the detailed schedule for the selected section.

**0. Exit**

* **Purpose**: Exit the program safely.
* **Steps**:
  1. Select "Exit" from the menu.
  2. View a loading screen as the program ends.

**Program Features**

1. **Loading Screens**:
   * Engages the user with interactive progress bars for various actions.
2. **Input Validation**:
   * Ensures data accuracy for fields like email, contact number, and dates.
3. **Random Data Generation**:
   * Simulates attendance and grades where applicable.
4. **Clear User Prompts**:
   * Provides clear instructions for each step.
5. **Editable Inputs**:
   * Allows users to edit submitted information before finalizing.

**Keyboard Shortcuts**

* **Navigation**:
  + Use numeric keys (0-5) to select menu options.
  + Press any key to retry when prompted with invalid input.

**Troubleshooting**

* **Invalid Input**: If an invalid option is selected, you will be prompted to retry.
* **Empty Fields**: If mandatory fields are left empty, you will be asked to re-enter valid data.
* **Program Crash**: Ensure that all dependencies (e.g., conio.h, unistd.h) are properly installed and configured.