

Functions

1- “project.h”

Contains the general constants used across the project.

- “**MAX_NAME_LEN**”: Maximum length of names.
- “**MAX_DAY_LEN**”: Maximum length of days.
- “**MAX_TIME_LEN**”: Maximum length of time.
- “**MAX_LINE_LEN**”: Maximum length of lines.

2- “readLine.h”

Contains the prototype for the “**read_line**” function.

- “**int read_line(char str[], int n)**”: Reads a line of text into “**str**” with a maximum length of n.

3- “readLine.c”

Implements the **read_line** function.

- “**int read_line(char str[], int n)**”: Reads a line of text into “**str**” with a maximum length of n.

4- “teacher.h”

Contains the prototypes for the functions related to the teacher user.

- **“void insert_office_hour()”**: Inserts a new office hour.
- **“void update_office_hour()”**: Updates an existing office hour.
- **“void print_office_hour()”**: Prints all office hours.
- **“int store_office_hour(int id, const char *day, const char *start, const char *end, const char *filename)”**: Stores office hour details in a file.

5- “teacher.c”

Implements the functions for managing office hours for the teacher.

- **“void insert_office_hour()”**: Inserts a new office hour.
- **“void update_office_hour()”**: Updates an existing office hour.
- **“void print_office_hour()”**: Prints all office hours.
- **“int store_office_hour(int id, const char *day, const char *start, const char *end, const char *filename)”**: Stores office hour details in a file.

6- “student.h”

Contains the prototypes for the functions related to the student user.

- **“void create_appointment()”**: Creates an appointment.

7- “student.c”

Implements the functions for creating appointments for the student.

- “**void create_appointment()**”: Creates an appointment.

8- “appointment.c”

The main function coordinates the actions based on user input.

- “**int main()**”: The main function that prompts the user to choose between teacher and student and performs the corresponding actions.