Functions Description

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.

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.

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.

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.

teacher.c

Implements the functions for managing office hours for the teacher.

void insert\_office\_hour(): Inserts a new office hour.

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.

void update\_office\_hour(): Updates an existing office hour.

void print\_office\_hour(): Prints all office hours from the file.

student.h

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

void create\_appointment(): Creates an appointment.

student.c

Implements the functions for creating appointments for the student.

void create\_appointment(): Creates an appointment.

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.