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**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.

1. **“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.

1. **“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.

1. **“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.

1. **“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.

1. **“student.h”**

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

* **“void create\_appointment()”**: Creates an appointment.

1. **“student.c”**

Implements the functions for creating appointments for the student.

* **“void create\_appointment()”**: Creates an appointment.

1. **“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.