

User Manual

User Manual

Oxy Cookie Company

This program reads in a file containing data about the employees. The program allows the user to view, change, and save the employee data for later retrieval.

1. Executing the program

Turn on and boot your computer.

Insert the flash drive containing the program file Project4.exe in the appropriate drive. (We will assume it is the A drive, but it could be any drive. Substitute the appropriate letter where you see a:)

Enter the following at the prompt.

a:Project4

The title screen will appear, along with a prompt allowing you to input the name of the file to read into the program.

2. Input

2.1 Input Requirements

An input file with a name less than 50 characters long must be input into the program which contains the employees

The input file must be in the format

Last Name, First Name
Social Security Number
Age
Number of Dependents
Employee Code
Pay Rate
Number of Hours Worked

With subsequent employees listed in this same format after the first entry.

The main menu input is in the form of characters presented in the menu options. Capital or lowercase letters are both valid forms of input.

A sub menu for displaying the employees requires ALL, OFF, FAC, or SAL to be typed into the console. Once again, capital letters or lowercase letters are both considered valid.

Another sub menu for updating current employee information uses integers 1-9 to select which employee data field to update.

2.2 Input Restrictions

An employee's first and last names must be 20 characters or less

An employee's social security number must be 11 characters including hyphens

An employee's age must be an integer greater than 0

An employee's number of dependents must be an integer greater than 0

An employee's employee code must be 'O', 'F', or 'S'

An employee's pay rate must be a number greater than 0

An employee's number of hours worked must be a number greater than 0

The main menu input must be one of the listed options

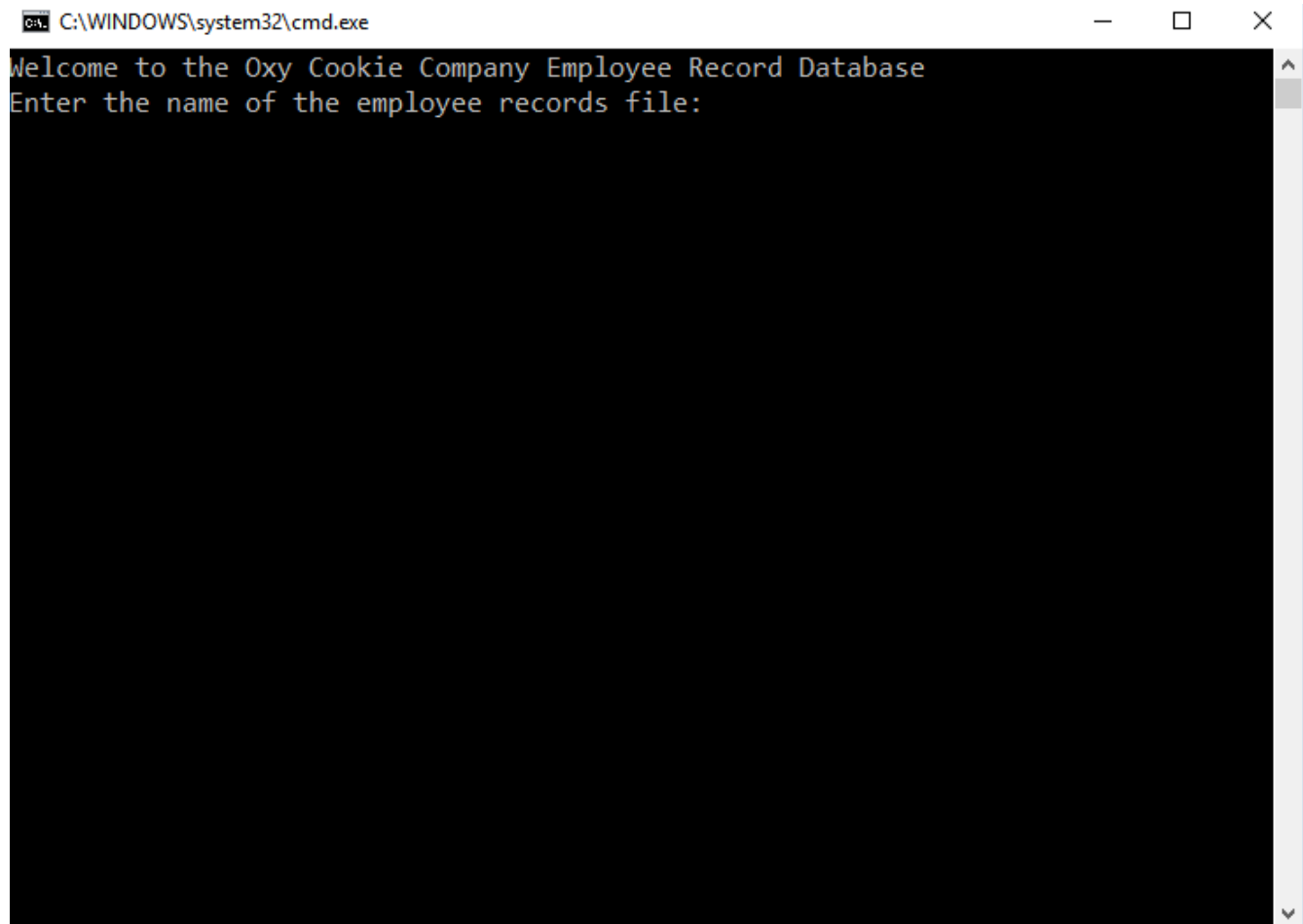
The sub menu for displaying employees input must be ALL, OFF, FAC, or SAL

The sub menu for updating employee information input must be an integer 1-9

3. Output

The output will be the main menu, along with whatever actions the user chooses to perform on the employee data and a prompt for the next input. Certain options contain sub menus.

Example Run:



```
C:\WINDOWS\system32\cmd.exe
Welcome to the Oxy Cookie Company Employee Record Database
Enter the name of the employee records file:

```

C:\WINDOWS\system32\cmd.exe

```
Welcome to the Oxy Cookie Company Employee Record Database
Enter the name of the employee records file: P4__workers.txt
Records populated.
G: Get records from file.
I: Insert record for a new employee.
U: Update record for existing employee.
R: Retrieve and display record for an employee.
L: List records.
S: Save records to file.
D: Delete record.
E: Exit program.
Please select an option:
```

C:\WINDOWS\system32\cmd.exe

```
E: Exit program.
Please select an option: i
New Employee Record
Enter the last name of the employee: Atkins
Enter the first name of the employee: Jeremy
Enter the social security number of the employee (XXX-XX-XXXX): 123-32-2123
Enter the age of the employee: 29
Enter the number of dependents: 0
O - Office
F - Factory
S - Salesman
Enter the employee code: o
Enter the hourly pay rate of the employee: 7.50
Enter the number of hours the employee worked: 34
Employee added.

G: Get records from file.
I: Insert record for a new employee.
U: Update record for existing employee.
R: Retrieve and display record for an employee.
L: List records.
S: Save records to file.
D: Delete record.
E: Exit program.
Please select an option:
```

```
C:\WINDOWS\system32\cmd.exe

R: Retrieve and display record for an employee.
L: List records.
S: Save records to file.
D: Delete record.
E: Exit program.
Please select an option: 1

ALL - All employees
OFF - Office employees
FAC - Factory employees
SAL - Salesmen
Which records would you like to display: off

Last Name: Atkins
First Name: Jeremy
Social Security Number: 123-32-2123
Age: 29
Number of dependents: 0
Employee code: 0
Hourly pay rate: 7.50
Hours worked: 34.00

Last Name: Carter
First Name: James
```

```
C:\WINDOWS\system32\cmd.exe

Please select an option: u
Enter the last name of the employee to update: Zyros
1. First Name
2. Last Name
3. Social Security Number
4. Age
5. Number of dependents
6. Employee Code
7. Hourly Pay Rate
8. Hours worked
9. Finish updating
Select the option you would like to change: 4
Enter the updated age: 54
1. First Name
2. Last Name
3. Social Security Number
4. Age
5. Number of dependents
6. Employee Code
7. Hourly Pay Rate
8. Hours worked
9. Finish updating
Select the option you would like to change: 9
Employee updated.
```

C:\WINDOWS\system32\cmd.exe

Hours worked: 52.00

Calculated pay: 494.00

G: Get records from file.

I: Insert record for a new employee.

U: Update record for existing employee.

R: Retrieve and display record for an employee.

L: List records.

S: Save records to file.

D: Delete record.

E: Exit program.

Please select an option: d

Enter the last name of the employee to delete: Quentin

Employee deleted.

G: Get records from file.

I: Insert record for a new employee.

U: Update record for existing employee.

R: Retrieve and display record for an employee.

L: List records.

S: Save records to file.

D: Delete record.

E: Exit program.

Please select an option:

C:\WINDOWS\system32\cmd.exe

E: Exit program.

Please select an option: r

Enter the last name of the employee to display: Stevens

Last Name: Stevens

First Name: Thomas

Social Security Number: 790-33-3498

Age: 56

Number of dependents: 7

Employee code: F

Hourly pay rate: 9.50

Hours worked: 52.00

Calculated pay: 494.00

G: Get records from file.

I: Insert record for a new employee.

U: Update record for existing employee.

R: Retrieve and display record for an employee.

L: List records.

S: Save records to file.

D: Delete record.

E: Exit program.

Please select an option:

C:\WINDOWS\system32\cmd.exe

Employee deleted.

G: Get records from file.

I: Insert record for a new employee.

U: Update record for existing employee.

R: Retrieve and display record for an employee.

L: List records.

S: Save records to file.

D: Delete record.

E: Exit program.

Please select an option: s

Enter the name of the file to save the records to: newWorkers.txt

Records saved to newWorkers.txt

G: Get records from file.

I: Insert record for a new employee.

U: Update record for existing employee.

R: Retrieve and display record for an employee.

L: List records.

S: Save records to file.

D: Delete record.

E: Exit program.

Please select an option: e

Press any key to continue . . .