#### **EMPLOYEE RECORD SYSTEM**

#### TEAM-V104

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### **ALGORITHM**

#### Step 1: Start

Step 2: Ask the user whether they want to view and sort entries, which require no access, or modify or add entries, which requires a password, or exit.

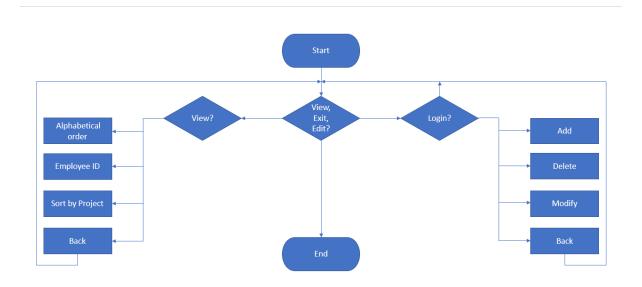
Step 3: If the user picks just to view and sort, they are given the option to view all entries in a list, or sort them by alphabetical order of name, assigned project, or employee ID. If the user picks modifying the entries and successfully enters the password, they can modify, add or delete entries.

Step 4: After the action the user is taken back to the screen where they again can pick between viewing/sorting or adding/modifying entries, or exiting.

Step 5: Upon clicking exit, a message will appear and the program will stop.

Step 6: Stop

### **FLOWCHART**



### **SOURCE CODE**

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int goto_view();
int goto_edit();
int login();
int takeinput();
char* strip(char[]);
int main()
{
    int x=0, opt = 0;
    while (true)
        printf("1. View \n2. Add Entries \n3. Exit \nType 1, 2 or 3:\n");
        scanf("%d", &opt);
        if (opt == 1)
            x = goto_view();
            if (x == -1) printf("No records in the file\n");
        else if (opt == 2)
            x=goto_edit();
        else if (opt == 3)
            break;
        else printf("Make a valid selection\n");
    } //while
    return 0;
}
int goto_edit()
    int x = 0;
    printf("ENTRIES\n");
    x=login();
    if(x == 0)
        takeinput();
    return 0;
                                         }
int login()
    int ptry = 3, ret = -1;
    char user[30];
    char pwd[30];
    char* ppwd;
    while (ptry >0)
        fflush(stdin);
        fflush(stdin);
```

```
printf("");
        fgets(pwd, 30, stdin);
        fflush(stdin);
        printf("Enter password :");
        fgets(pwd, 30, stdin);
        ppwd=strip(pwd);
        if (strcmp(pwd, "rohit") == 0)
            printf("Login scuccessful! You can now add entries\nType EXIT as
employee name to exit.");
            ret = 0; break;
        }
        else
        {
            ptry = ptry - 1;
            printf("You have %d tries left\n", ptry);
        }
    }
    return ret;
}
int takeinput()
    char name[30];
    char sid[5];
    char proj[30];
    int i = 0, c = 0, j = 0, k = 0;
    FILE* fl;
    char* pnm, * psid, * pproj;
    fl = fopen("c:\emp.txt", "a+");
    while (i < 30) // no use
        printf("\n");
        fflush(stdin);
        printf("Enter employee name:");
        fgets(name, 30, stdin);
        pnm = strip(name);
        if (strcmp(name, "EXIT") == 0) break;
        fflush(stdin);
        while (true)
        printf("Enter employee ID:");
        fgets(sid, 5, stdin);
        for (k=0, j = 0; (j < 5 && sid[j]!='\n'); j++) {
            if (sid[j] >= '0' && sid[j] <= '9')</pre>
                k = 0;
            else k = 1;
        } //for
        if (k == 0) break;
        } //while
        psid = strip(sid);
```

```
fflush(stdin);
        printf("Enter project name:");
        fgets(proj, 30, stdin);
        pproj = strip(proj);
        fprintf(fl, "%s|%s|%s\n", pnm,psid, pproj);
        i = i++;
    }// while 30 - can be removed
    fclose(fl);
    return 0;
}
char* strip(char* str)
    int i = 0;
    while (true)
    if (str[i] == '\n')
        str[i] = '\0'; break;
    if (str[i] == '\0') break;
    i++;
    }
    return str;
}
int goto_view()
    printf("VIEW\n");
    printf("-----
                          ----\n");
    int c=0, i=0, ret=-1;
    char str[30];
    int fld = 0;
    FILE* fl;
    fl = fopen("emp.txt", "r");
    if (fl == NULL)
        ret = 1;
        printf("Could not open the file\n");
    }
    else
        while ((c = getc(fl)) != EOF)
            ret = 0;
            str[i] = c;
            if (c == '|' || c=='\n')
                str[i] = '\0'; // end the string by putting null
                if (fld == 0)
                    printf("Name
                                  : %s\n", str);
                    fld = 1; i = 0;
```

## **SCREENSHOTS**

## 1. Main page

## 2. Entry page and login

### 3. Adding entries

The entries are stored in a file called emp.txt

### 4. Viewing

```
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```

# **Results and Conclusion**

The result is that we can successfully store data in a system file called emp.txt and add and view entries. Through this, we can save paper and time by not writing it down and this lets us share the file also. The system is simple but easy to use.