

```

1 // Author: Shawn Kester
2 // Group D
3 // Email: smkeste@okstate.edu
4
5 #include <stdio.h>
6 #include <stdlib.h>
7 #include <string.h>
8 #include <unistd.h>
9 #include <sys/ipc.h>
10 #include <sys/wait.h>
11 #include <fcntl.h>
12 #include <sys/shm.h>
13 #include <sys/stat.h>
14 #include <sys/mman.h>
15 #include <time.h>
16 #include <sys/msg.h>
17 #include <errno.h>
18 #include <mqueue.h>
19 #include "Assistant.h"
20 #include "Client.h"
21 #include "Query.h"
22
23
24 int Manager(){
25     char employee_name[50];
26     char job_title[64];
27     char status[3];
28     char x[2];
29     int fd;
30     char *check = "exit";
31
32     char myPipe[] = "./ManagerPipe";
33     mkfifo(myPipe, 0666);
34
35     if ((fd = open(myPipe, O_WRONLY | O_CREAT)) < 0)
36         printf("Manager: Error Opening..\n");
37
38     do{
39         printf("Enter the Employee Name: ");
40         fgets(employee_name, sizeof(char) * 50, stdin);
41         strtok(employee_name, "\n");
42
43         printf("Enter Job Title: ");
44         fgets(job_title, sizeof(char) * 64, stdin);
45         strtok(job_title, "\n");
46
47         printf("Enter Status: ");
48         fgets(status, sizeof(char) * 10, stdin);
49         strtok(status, "\n");
50
51         Query query;
52         strcpy(query.employee_name, employee_name);
53         strcpy(query.job_title, job_title);
54         strcpy(query.status, status);
55         Query *ptr_query = &query;
56
57         if (write(fd, &query, sizeof(Query)) < 0)
58             printf("Manager: Error writing...\n");
59
60         printf("Do you want to look for another entry? \n Y/N \n");//ask to continue input taking
61         fgets(x, sizeof(char) * 10, stdin);
62         strtok(x, "\n");
63
64     } while (x[0] == 'y' || x[0] == 'Y');
65
66     Query exit;

```

```
67     strcpy(exit.employee_name, "exit");
68     strcpy(exit.job_title, "exit");
69     strcpy(exit.status, "ex");
70
71     if (write(fd, &exit, sizeof(Query)) < 0)
72         printf ("Manager: error sending exit message");
73
74     close(fd);
75
76     return 0;
77
```