

```
1 #ifndef DICTIONARY_H
2 #define DICTIONARY_H
3
4 #define DICT_SIZE 10
5
6 #include "H_Model.h"
7
8 typedef int ID;
9 typedef int ElemPos;
10
11 // Linked List Node
12 // Datatype Format:
13 //     PSU = Pointer Model User
14 //     PSA = Pointer Model Attendance
15 //     etc
16
17 typedef struct node1
18 {
19     Model_Attendance data;
20     struct node1 *next;
21 } NodeAttendance, *PSA;
22
23 typedef struct node2
24 {
25     Model_Bonus data;
26     struct node2 *next;
27 } NodeBonus, *PSB;
28
29 typedef struct node3
30 {
31     Model_IssueSalary data;
32     struct node3 *next;
33 } NodeIssueSalary, *PSIS;
34
35 typedef struct node4
36 {
37     Model_JobInformation data;
38     struct node4 *next;
39 } NodeJobInformation, *PSJI;
40
41 typedef struct node5
42 {
43     Model_User data;
44     struct node5 *next;
45 } NodeUser, *PSU;
46
47 // Dictionary
48 typedef struct
49 {
50     PSA AttendanceD[DICT_SIZE];
51     PSB BonusD[DICT_SIZE];
52     PSIS IssueSalaryD[DICT_SIZE];
53     PSJI JobInformationD[DICT_SIZE];
54     PSU UserD[DICT_SIZE];
55     int count[5];
56 } Dictionary, *dPtr;
57
58 #endif
```