

```
1 #ifndef MODEL_H
2 #define MODEL_H
3
4 // Change to true to enable debug mode
5 #define debugMenu false
6 #define debug false
7
8 #define MD_MAX 50          // medium MAX
9 #define SM_MAX 50          // small MAX 50
10 #define DATE 30           // mm/dd/yy 11
11 #define MONTH 20          // mm/yy 6
12 #define MOBILE_PHONE 20   // ## ### ### #### 21
13 #define HOME_PHONE 20     // ### #### 21
14 // #pragma pack(1)
15
16 // MALE, FEMALE
17 typedef enum
18 {
19     MALE,
20     FEMALE
21 } Gender;
22
23 // EMPLOYEE, EMPLOYER
24 typedef enum
25 {
26     EMPLOYEE,
27     EMPLOYER
28 } UserType;
29
30 // NO, YES
31 typedef enum
32 {
33     NO,
34     YES
35 } Response;
36
37 typedef struct bonus
38 {
39     int bonusID;
40     int employeeID;
41     char bonusName[SM_MAX];
42     double amount;
43     char period[MONTH];
44 } Model_Bonus;
45
46 typedef struct issueSalary
47 {
48     int issueID;
49     int employeeID;
50     double balance;
51     double pagibigBalance;
52     char period[MONTH];
53 } Model_IssueSalary;
54
55 typedef struct jobInformation
56 {
57     int employmentID;
58     int employeeID;
59     char jobPosition[SM_MAX];
```

```
60     char jobLocation[MD_MAX];
61     char jobPhone[MOBILE_PHONE];
62     char startDate[DATE];
63     char department[SM_MAX];
64     char jobEmail[SM_MAX];
65     double basicSalary;
66     double pagibigDeposit;
67 } Model_JobInformation;
68
69 typedef struct user
70 {
71     int userID;
72     char firstName[SM_MAX];
73     char lastName[SM_MAX];
74     Gender gender;
75     char dateOfBirth[DATE];
76     Response filipinoCitizen;
77     char homePhone[HOME_PHONE];
78     char mobilePhone[MOBILE_PHONE];
79     char emailAddress[MD_MAX];
80     char address[MD_MAX];
81     UserType userType;
82 } Model_User;
83
84 typedef struct attendance
85 {
86     int attendanceID;
87     int employeeID;
88     int present;
89     int absent;
90     int leave;
91     int overtime;
92     char period[MONTH];
93 } Model_Attendance;
94
95 #endif
96
```