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 1: #ifndef GOOSE_ESCAPE_GAMEPLAY
 2: #define GOOSE_ESCAPE_GAMEPLAY
 3: #include "gooseEscapeUtil.hpp"
 4: #include "gooseEscapeActors.hpp"
 5: #include "gooseEscapeConsole.hpp"
 6:
 7: /*This file is all about the game world. You will modify this to add
 8: constants and function prototypes.  Modify gooseGamePlay.cpp to
 9: actually add functionality.
10: */
11:
12: /*
13: Declare constants to indicate various game world features in the board
14: array.  Modify them to fit what you would like to do in the game. You can
15: change the type if you choose to store your game board as something other
16: than intengers.
17: */
18: // Going further:  Learn how to use an enum for these values
19: const bool UP= true;
20: const int FREE = 0;
21: const int POWER = 3;
22: const int SHALL_NOT_PASS = 1;
23: const int WINNER = 2;
24: const int WIN=13;
25: const int SUPE=20;
26: /*
27:     A few examples of characters both for actors and for the game board
28:     itself are shown.
29: */
30: //display characters
31: const int PLAYER_CHAR = int('H');
32: const int MONSTER_CHAR = int('G');
33: const int WALL_CHAR = int('*');
34: const int WIN_CHAR = int('W');
35: const int POWER_CHAR = int('+');
36: //% sign, a special character used in the ancient game "Rogue"
37:
38: /*
39:     Game play function prototypes are give below.
40: */
41: void print_board(int x, int y, int feature, char featureChar,
42:                     int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
43:
44: void setup ( ifstream & fin_wall,ifstream & fin_power,
45:                     int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
46: /*
47: void print_board(int game_world)
48: {
49:     for(int i=0;i<100;i++)
50:     {
51:         for(int j=0; j<100;j++)
52:         {
53:             cout<<game_world[i][j];
54:         }
```

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55:         cout<<endl;
56:     }
57: } */
58: // print the game board function protype
59:
60: /*
61:     Do something when the goose captures the player
62:
63:     If you want to attack or something else, this is the function you
64:     need to change.  For example, maybe the two touch each other and
65:     then fight.  You could add a health to the Actor class that is
66:     updated.  Run, use weapons, it's up to you!
67: */
68: bool captured(Actor const & player, Actor const & monster);
69:
70: void wall_win_rebuilder(int x,int y,
71:                         int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
72:
73: void power_point_checker(Actor & player, Actor & goose,
74:                         int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
75:
76:
77: /*
78: Move the player to a new location based on the user input.  You may want
79: to modify this if there are extra controls you want to add.
80:
81: All key presses start with "TK_" then the character.  So "TK_A" is the a
82: key being pressed.
83:
84: A look-up table might be useful.
85: You could decide to learn about switch statements and use them here.
86: */
87:
88: void movePlayer(int key, Actor & player,
89:                 int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
90:
91: void move_the_Goose(Actor &player, Actor &goose,
92:                     int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
93:
94: void s_power (int key, Actor & player,
95:                         int game_world[NUM_BOARD_X][NUM_BOARD_Y]);
96:
97: /*
98: What other functions do you need to make the game work?  What can you
99: /add to the basic functionality to make it more fun to play?
100: */
101:
102:
103: #endif
```