

# รายชื่อสมาชิก

กลุ่ม Dawning

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```

1  #include <iostream>
2  #include <vector>
3  #include <string>
4  #include <algorithm>
5  #include <fstream>
6  #include <random>
7  #include <cstdlib>
8
9  using namespace std;
10
11 void clearScreen(){
12     cout << "\033[2J\033[H";
13 }
14
15 class Word{
16     private:
17         vector<string> words;
18         string secretWord;
19
20     public:
21         void putWord(string word){
22             words.push_back(word);
23         }
24
25         vector<string> getWords(){
26             return words;
27         }
28
29         string getSecretWord(){
30             return secretWord;
31         }
32
33         void randomWord();
34
35 };
36
37 void Word::randomWord() {
38     if (words.empty()){
39         secretWord = "";
40     }
41
42     random_device rd;
43     mt19937 generator(rd());
44
45     uniform_int_distribution<int> distribution(0, words.size() - 1);
46     int random_index = distribution(generator);
47
48     secretWord = words[random_index];
49 }
50
51 class Name{
52     public:
53         string name;
54 };
55
56 class Player: public Name{
57     public:
58         int lives;
59 };

```

```

60
61 class HangmanGame : public Player{
62     private:
63         vector<char> guessedWord;
64         string secretWord;
65         vector<string> stickman;
66
67     public:
68         HangmanGame(string w){
69             secretWord = w;
70             lives = 7;
71             int wordLength = secretWord.length();
72             guessedWord = vector<char>(wordLength, '_');
73         };
74
75         HangmanGame(string w, int l){
76             secretWord = w;
77             lives = l;
78             int wordLength = secretWord.length();
79             guessedWord = vector<char>(wordLength, '_');
80         };
81
82         void putName(string n){
83             if (n != ""){
84                 name = n;
85             }else{
86                 name = "Anonymous";
87             }
88         }
89
90         bool isGameOver(){
91             return lives == 0 || secretWord == string(guessedWord.begin(), guessedWord.end());
92         }
93
94         void guessLetter(char letter){
95             letter = tolower(letter);
96             bool found = false;
97
98             for (int i = 0; i < secretWord.size(); ++i){
99                 if (secretWord[i] == letter){
100                     guessedWord[i] = letter;
101                     found = true;
102                 }
103             }
104
105             if (!found){
106                 --lives;
107             }
108         }
109
110         void putState(vector<string> stages){
111             stickman = stages;
112         }
113
114         void displayStickman(){
115             cout << stickman[lives] << endl;
116         }
117
118         void play();
119     };
120

```

```

120
121 void HangmanGame::play(){
122     while (!isGameOver()){
123         clearScreen();
124         cout << "Name: " << name << endl;
125         cout << "lives: " << lives << endl;
126
127         displayStickman();
128
129         cout << endl;
130         for (char c : guessedWord){
131             cout << c << " ";
132         }
133
134         cout << "\n\nGuess a letter: ";
135
136         char guess;
137         cin >> guess;
138
139         if (!isalpha(guess)){
140             cout << "Invalid input. Please enter a letter." << endl;
141             continue;
142         }
143
144         guessLetter(guess);
145     }
146
147     clearScreen();
148     cout << "Name: " << name << endl;
149     cout << "Your lives: " << lives << endl;
150     displayStickman();
151     cout << endl;
152     for (char c : guessedWord){
153         cout << c << " ";
154     }
155
156     if (secretWord == string(guessedWord.begin(), guessedWord.end())){
157         cout << "\n\nCongratulations " << name << " Win!!\n\n";
158         cout << "The correct word is '" << secretWord << "'\n" << endl;
159     }
160     else{
161         cout << "\n\n" << name << " You lose" << endl;
162         cout << "The correct word is '" << secretWord << "'\n" << endl;
163     }
164 }
165

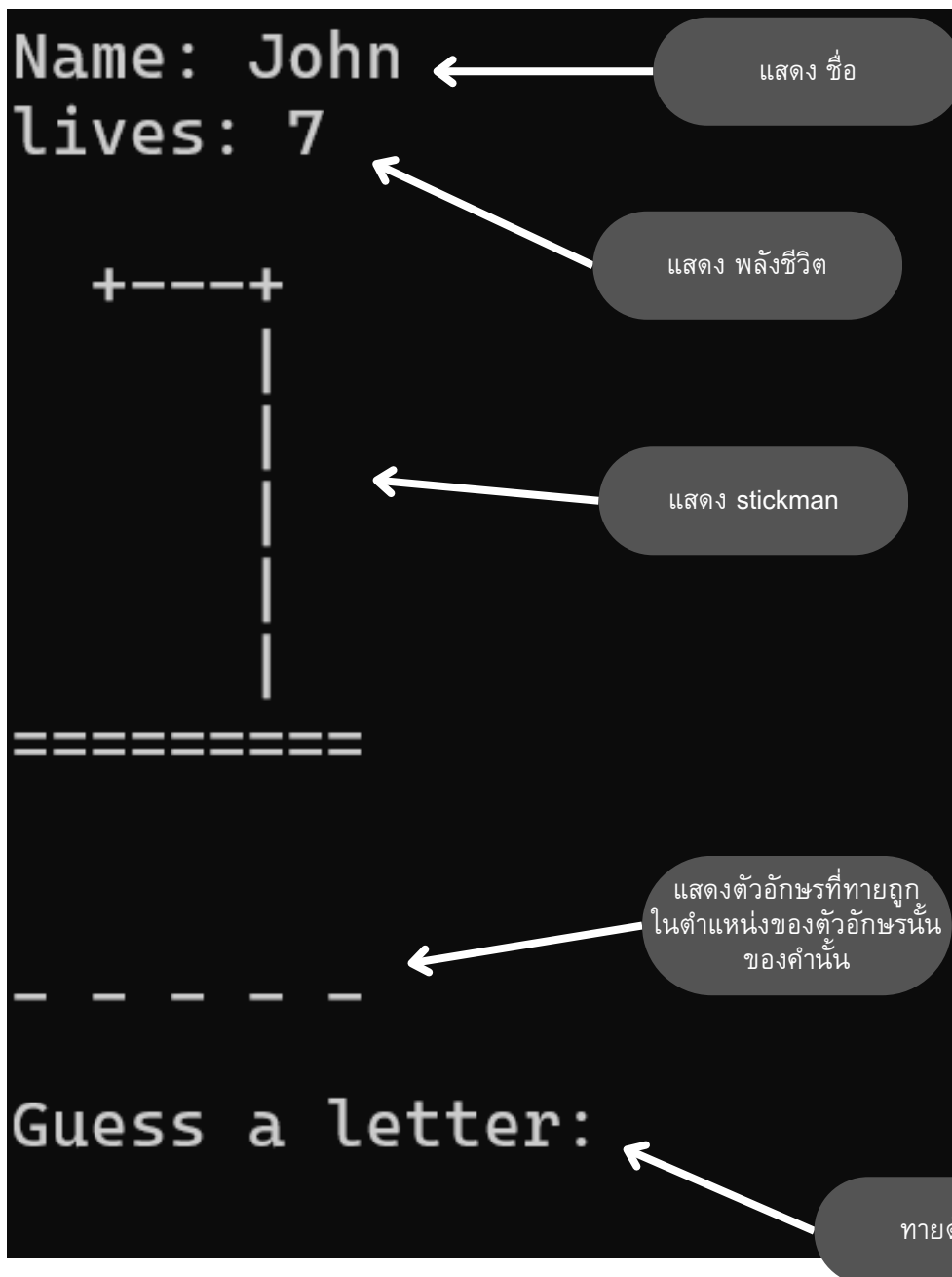
```

[illegible]

```

208     cout << logo << endl;
209
210     cout << "Hangman Game \n-> setting\n" << endl;
211
212     string config;
213     int lives;
214     cout << "Your default lives is 7 and maximum lives is 7" << endl;
215     cout << "You want to config your lives?(Y/n): ";
216     cin >> config;
217
218     if (config[0] == 'y' || config[0] == 'Y') {
219         cout << "Enter the number of lives: ";
220         cin >> lives;
221         if (lives > 7) {
222             lives = 7;
223         }else if (lives < 1){
224             lives = 1;
225         }
226     }else{
227         lives = 7;
228     }
229
230     string name;
231     cout << "Input your name : ";
232     cin >> name;
233
234
235     while (true){
236         word.randomWord();
237         HangmanGame game(word.getSecretWord(), lives);
238         game.putName(name);
239         game.putState(stages);
240
241         game.play();
242
243         string replay;
244         cout << "You want to play again?(Y/n): ";
245         cin >> replay;
246
247         if (replay[0] == 'y' || replay[0] == 'Y'){
248             continue;;
249         }else{
250             break;
251         }
252     }
253
254     return 0;

```



Name: John

lives: 7

+

+

==

Guess a letter:

แสดงตัวในตำแหน่ง

```
Name: John  
Your lives: 7
```

```
+---+  
|  
|  
|  
|  
|  
|  
|  
=====
```

```
s t o r y
```

```
Congratulations John Win!!
```

```
The correct word is 'story'
```

```
You want to play again?(Y/n):
```



อันนี้คือรูปแบบถ้าแพ้

Name: john  
Your lives: 0

```
+---+
|
o
/|\
/ \
|
=====
```

s \_ o r y

john You lose  
The correct word is 'story'

You want to play again?(Y/n):