

```
1  #include "Game.h"
2
3
4  Game::Game()
5  {
6      choice = 0;
7      playing = true;
8      activeCharacter = 0;
9      fileName = "characters.txt";
10 }
11
12 Game::~Game()
13 {
14 }
15
16 // Functions
17
18 void Game::initGame()
19 {
20     createNewCharacter();
21 }
22
23
24
25 void Game::mainMenu()
26 {
27     // Menu Options
28     std::cout << "MAIN MENU" << std::endl;
29     std::cout << "0: Quit" << std::endl;
30     std::cout << "1: Travel" << std::endl;
31     std::cout << "2: Shop" << std::endl;
32     std::cout << "3: Level Up" << std::endl;
33     std::cout << "4: Rest" << std::endl;
34     std::cout << "5: Character Sheet" << std::endl;
35     std::cout << "6: Create New Character" << std::endl;
36     std::cout << "7: Save Characters" << std::endl;
37     std::cout << "8: Load Characters" << std::endl;
38     std::cout << std::endl;
39
40     std::cout << std::endl << "Choice: ";
41     std::cin >> choice;
42     std::cout << std::endl;
43
44     switch (choice)
45     {
46     case 0:
47         playing = false;
48         break;
49
50     case 5:
51         characters[activeCharacter].printStats();
52         break;
53
54     case 6:
55         std::cin.ignore();
56         createNewCharacter();
57         saveCharacters();
58
59         break;
60
61     case 7:
62         saveCharacters();
```

```
63         break;
64     case 8:
65         loadCharacters();
66         break;
67     default:
68         break;
69
70     }
71 }
72
73 void Game::createNewCharacter()
74 {
75     std::string name= "";
76     std::cout << "Enter name for character: ";
77     std::getline(std::cin, name);
78     //std::cin.ignore();
79
80     characters.push_back(Character());
81     activeCharacter = characters.size() - 1;
82     characters[activeCharacter].initialize(name);
83
84
85
86 }
87
88 void Game::saveCharacters()
89 {
90     std::ofstream outfile(fileName);
91     if (outfile.is_open())
92     {
93         for (size_t i = 0; i < characters.size(); i++)
94         {
95             outfile << characters[i].getAsString() << "\n";
96         }
97     }
98
99     outfile.close();
100
101 }
102
103
104
105 void Game::loadCharacters()
106 {
107
108 }
```