

```
1 using SplashKitSDK;
2 using System.Collections.Generic;
3 using static DragonBallGame.RecrutSystem;
4 using DragonBallGame.CharacterClass;
5
6 namespace DragonBallGame
7 {
8     public class GameMenu
9     {
10         private Window _menuWindow;
11         private int _currentCharacterIndex;
12         private ImageManager _imageManager;
13         private Player _player;
14         private InputHandler _inputHandler;
15         private BattleManager _battleManager;
16         private MessageManager _messageManager;
17
18         public GameMenu(Player player)
19         {
20             _menuWindow = new Window("Dragon Ball Game", 800, 600);
21             _player = player;
22             _imageManager = new ImageManager();
23             _inputHandler = new InputHandler();
24             _battleManager = new BattleManager(_player, _menuWindow);
25             _messageManager = new MessageManager();
26
27             // Player starts with only Son Goku
28             _player.AddRecruitedCharacter(new Goku());
29
30             _currentCharacterIndex = 0;
31         }
32
33         public void Run()
34         {
35             while (!_menuWindow.CloseRequested)
36             {
37                 SplashKit.ProcessEvents();
38                 SplashKit.ClearScreen(Color.White);
39
40                 DrawCharacterInfo();
41                 _messageManager.DrawMessages();
42
43                 if (SplashKit.MouseClicked(MouseButton.LeftButton))
44                 {
45                     Point2D mousePosition = SplashKit.MousePosition();
46                     _inputHandler.HandleMouseClicked(mousePosition, this);
47                 }
48
49                 SplashKit.RefreshScreen(60);
```

```
50     }
51
52     _menuWindow.Close();
53 }
54
55 private void DrawCharacterInfo()
56 {
57     if (_player.RecruitedCharacters.Count > 0)
58     {
59         Character currentCharacter = _player.RecruitedCharacters  ➤
60             [_currentCharacterIndex];
61         Bitmap characterImage = _imageManager.GetCharacterImage  ➤
62             (currentCharacter);
63
64         // Draw Character Image
65         SplashKit.DrawBitmap(characterImage, 150, 50);
66
67         // Draw Character Stats
68         SplashKit.DrawText($"{currentCharacter.Name}",  ➤
69             Color.Black, 450, 150);
70         SplashKit.DrawText($"Power: {currentCharacter.Power}",  ➤
71             Color.Black, 450, 180);
72         SplashKit.DrawText($"Health: {currentCharacter.Health}",  ➤
73             Color.Black, 450, 210);
74         SplashKit.DrawText($"Evolution: {currentCharacter.Form}",  ➤
75             Color.Black, 450, 240);
76         SplashKit.DrawText($"Skill:  ➤
77             {currentCharacter.SpecialAbility}", Color.Black, 450,  ➤
78             270);
79     }
80
81     // Draw Arrow Buttons
82     SplashKit.FillRectangle(Color.LightGray, 50, 250, 40, 40); // ➤
83     Left Arrow
84     SplashKit.FillRectangle(Color.LightGray, 710, 250, 40, 40); // ➤
85     Right Arrow
86     SplashKit.DrawText("<", Color.Black, 65, 265);
87     SplashKit.DrawText(">", Color.Black, 725, 265);
88
89     // Draw Recruit and Battle Buttons
90     SplashKit.FillRectangle(Color.LightGray, 250, 550, 100, 40);
91     SplashKit.DrawText("Recruit", Color.Black, 275, 565);
92     SplashKit.FillRectangle(Color.LightGray, 450, 550, 100, 40);
93     SplashKit.DrawText("Battle", Color.Black, 475, 565);
94
95     // Draw Zeni
96     SplashKit.DrawText($"Zeni: {_player.Zeni}", Color.Black, 650,  ➤
97         50);
98 }
```

```
88
89     public void NavigateLeft()
90     {
91         _currentCharacterIndex--;
92         if (_currentCharacterIndex < 0) _currentCharacterIndex =  ↗
            _player.RecruitedCharacters.Count - 1;
93     }
94
95     public void NavigateRight()
96     {
97         _currentCharacterIndex++;
98         if (_currentCharacterIndex >=  ↗
            _player.RecruitedCharacters.Count) _currentCharacterIndex =  ↗
            0;
99     }
100
101     public void RecruitCharacter()
102     {
103         RecruitResult result =  ↗
            RecruitSystem.Instance.RecruitRandomCharacter(_player);
104
105         switch (result.Status)
106         {
107             case RecruitStatus.NotEnoughZeni:
108                 _messageManager.AddMessage("Not enough Zeni.");
109                 break;
110
111             case RecruitStatus.NoAvailableCharacters:
112                 _messageManager.AddMessage("All characters are at  ↗
                    their highest form and cannot be recruited further.");
113                 break;
114
115             case RecruitStatus.NewCharacterRecruited:
116                 _player.AddRecruitedCharacter(result.Character);
117                 _messageManager.AddMessage($"{result.Character.Name}  ↗
                    recruited!");
118                 break;
119
120             case RecruitStatus.CharacterEvolved:
121                 _messageManager.AddMessage($"{result.Character.Name}  ↗
                    has transformed into {result.Character.Form}!");
122                 break;
123         }
124     }
125
126     public void Battle()
127     {
128         if (_player.RecruitedCharacters.Count == 0) return;
129     }
```

```
130         Character currentCharacter = _player.RecruitedCharacters
           [_currentCharacterIndex];
131         string battleResult = _battleManager.StartBattle
           (currentCharacter);
132         _messageManager.AddMessage($"{battleResult}");
133     }
134 }
135 }
136
```