

```
1 using System;
2 using System.Collections.Generic;
3 using DragonBallGame.CharacterClass;
4
5 namespace DragonBallGame
6 {
7     public class RecruitSystem
8     {
9         private static RecruitSystem _instance;
10        private List<Character> _recruitedCharacters;
11        private Random _random;
12
13        private RecruitSystem()
14        {
15            _recruitedCharacters = new List<Character>();
16            _random = new Random();
17        }
18
19        public static RecruitSystem Instance
20        {
21            get
22            {
23                if (_instance == null)
24                {
25                    _instance = new RecruitSystem();
26                }
27                return _instance;
28            }
29        }
30
31        public RecruitResult RecruitRandomCharacter(Player player)
32        {
33            if (player.Zeni < 100)
34            {
35                return new RecruitResult
36                {
37                    Status = RecruitStatus.NotEnoughZeni
38                };
39            }
40
41            List<Character> availableCharacters = GetAvailableCharacters  ➤
                (player);
42
43            if (availableCharacters.Count == 0)
44            {
45                return new RecruitResult
46                {
47                    Status = RecruitStatus.NoAvailableCharacters
48                };
49            }
50        }
51    }
52 }
```

```
49     }
50
51     player.DeductZeni(100);
52
53     // Select a random character
54     int randomIndex = _random.Next(availableCharacters.Count);
55     Character randomCharacter = availableCharacters[randomIndex];
56     Character existingCharacter = player.GetRecruitedCharacter    ↗
        (randomCharacter.Name);
57
58     if (existingCharacter != null)
59     {
60         existingCharacter.OnDuplicateRecruited();
61         return new RecruitResult
62         {
63             Status = RecruitStatus.CharacterEvolved,
64             Character = existingCharacter
65         };
66     }
67     else
68     {
69         return new RecruitResult
70         {
71             Status = RecruitStatus.NewCharacterRecruited,
72             Character = randomCharacter
73         };
74     }
75 }
76
77
78 private List<Character> GetAvailableCharacters(Player player)
79 {
80     List<Character> allCharacters = new List<Character>
81     {
82         new Goku(),
83         new Vegeta(),
84         new Gohan()
85     };
86
87     List<Character> availableCharacters = new List<Character>();
88
89     foreach (Character character in allCharacters)
90     {
91         Character recruitedCharacter =
92             player.RecruitedCharacters.Find(c => c.Name ==    ↗
93                 character.Name);                                ↗
94
95         if (recruitedCharacter == null ||
96             recruitedCharacter.TransformationLevel <=    ↗
```

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```
        recruitedCharacter.MaxLevel)
    {
        availableCharacters.Add(character);
    }
}

return availableCharacters;
}
}
}
```