```
1 using System;
 2 using System.Collections.Generic;
 3 using System.Threading;
 5 namespace StudentAssistant
 6 {
 7
       class Program
8
 9
            static void Main(string[] args)
10
                showOptions();
11
12
            static void showOptions()
13
14
            {
15
            {
                Dictionary<string, List<string>> schedule = new Dictionary<string,</pre>
16
                  List<string>>();
                Dictionary<string, string> assignments = new Dictionary<string,
17
                  string>();
18
19
                Console.WriteLine("Welcome to your virtual student assistant!\n");
20
21
                while (true)
22
                {
23
                    Console.WriteLine("What would you like to do today?\n" +
                                       "1. View Schedule\n" +
24
25
                                       "2. Add to Schedule\n" +
26
                                       "3. View Assignments\n" +
                                       "4. Add Assignment\n" +
27
                                       "5. Search Google Scholar\n" +
28
                                       "6. Remind me to hydrate\n" +
29
30
                                       "7. Exit\n");
                    Console.Write("Enter your choice (1-7): ");
31
32
33
                    int choice = int.Parse(Console.ReadLine());
34
                    Console.WriteLine();
35
36
                        switch (choice)
37
38
                             case 1:
                                 Console.WriteLine("Your schedule for today:");
39
40
                                foreach (KeyValuePair<string, List<string>> entry in →
                         schedule)
41
42
                                     Console.WriteLine(entry.Key + ": " + string.Join →
                         (", ", entry. Value));
43
44
                                Console.WriteLine();
45
                                break;
46
47
                            case 2:
                                Console.Write("Enter the day: ");
48
```

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C:\Users\mnyamwamu\source\repos\StudentVA\StudentVA\Program.cs
```

```
2
```

```
49
                                 string day = Console.ReadLine();
                                Console.Write("Enter the schedule for the day: ");
50
51
                                string scheduleForDay = Console.ReadLine();
52
                                Console.Write("Enter the time of the schedule: ");
53
                                string timeOfSchedule = Console.ReadLine();
54
55
                                if (!schedule.ContainsKey(day))
56
57
                                     schedule[day] = new List<string>();
58
                                }
                                schedule[day].Add(scheduleForDay);
59
                                schedule[day].Add(timeOfSchedule);
60
                                Console.WriteLine("Schedule added successfully!\n");
61
62
                                break;
63
64
                            case 3:
65
                                Console.WriteLine("Your assignments:");
66
                                foreach (KeyValuePair<string, string> entry in
                         assignments)
67
                                {
                                     Console.WriteLine(entry.Key + ": " +
68
                         entry.Value);
69
                                Console.WriteLine();
70
                                break:
71
72
                            case 4:
73
74
                                Console.Write("Enter the assignment name: ");
75
                                string assignmentName = Console.ReadLine();
76
                                Console.Write("Enter the assignment description: ");
77
                                string assignmentDescription = Console.ReadLine();
78
                                Console.Write("Enter the assignment due time: ");
                                string assignmentDuetime = Console.ReadLine();
79
80
                                assignments[assignmentName] = assignmentDescription + →
81
                          assignmentDuetime;
82
                                Console.WriteLine("Assignment added successfully!
                         \n");
83
                                break;
84
85
                            case 5:
                                Console.WriteLine("Google Scholar search
86
                                                                                        P
                         functionality is not yet implemented.\n");
87
                                break;
88
89
                            case 6:
                                Console.WriteLine("Remember to hydrate! Hydration
90
                         reminder started. You will be reminded to hydrate after every→
                          hour.\n");
91
                                while (true)
92
                                {
93
                                     Thread.Sleep(3600000); // sleep for 1 hour (3600 >
```

```
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```

```
3
```

```
seconds)
 94
                                     Console.WriteLine("Remember to hydrate!\n");
 95
                                 }
 96
                                 showOptions();
 97
                                 break;
 98
                             case 7:
 99
                                 Console.WriteLine("Goodbye!");
100
                                 return;
101
102
103
                             default:
104
                                 Console.WriteLine("Invalid choice. Try again.\n");
105
                                 break;
106
                         }
                    }
107
               }
108
109
            }
        }
110
111 }
112
```