

```
1 D:\Anaconda\envs\appagent\python.exe D:\Desktop\projects\
  AppAgent-main\learn.py
2 Warning! No module named 'soundfile'
3 Warning! No module named 'keras'
4 Welcome to the exploration phase of AppAgent!
5 The exploration phase aims at generating documentations for UI
  elements through either autonomous exploration or human
  demonstration. Both options are task-oriented, which means you
  need to give a task description. During autonomous exploration, the
  agent will try to complete the task by interacting with possible
  elements on the UI within limited rounds. Documentations will be
  generated during the process of interacting with the correct elements
  to proceed with the task. Human demonstration relies on the user to
  show the agent how to complete the given task, and the agent will
  generate documentations for the elements interacted during the
  human demo. To start, please enter the main interface of the app on
  your phone.
6
7 Choose from the following modes:
8 1. autonomous exploration
9 2. human demonstration
10 Type 1 or 2.
11
12 1
13 What is the name of the target app?
14
15 x
16 Warning! No module named 'soundfile'
17 Warning! No module named 'keras'
18 List of devices attached:
19 ['127.0.0.1:7555']
20
21 Device selected: 127.0.0.1:7555
22
23 Screen resolution of 127.0.0.1:7555: 1080x1920
24
25 Please enter the description of the task you want me to complete in a
  few sentences:
26
27 □x□□□musk
28 Round 1
```

29

30 Thinking about what to do in the next step...

31

32 □□□□□□ \$0.02

33

34 Observation:

35

36 The screenshot shows a social media application interface with various tabs such as "For you," "Trending," "News," "Sports," and "Entertainment." There is a search bar at the top with a numeric tag 1, and a settings icon with a numeric tag 4. There are also various posts and hashtags displayed on the screen, but none of them seem to be related to "musk."

37

38 Thought:

39

40 To complete the given task, which is to follow "musk" in the app, I should first tap on the search bar to bring up the keyboard and enter the search term.

41

42 Action:

43

44 tap(1)

45

46 Summary:

47

48 I have initiated the search function by tapping on the search bar to proceed with finding and following "musk."

49

50 Reflecting on my previous action...

51

52 □□□□□□ \$0.03

53

54 Decision:

55

56 SUCCESS

57

58 Thought:

59

60 The action of tapping the search bar has brought up a search interface with "musk" as the query, showing various related accounts

60 , including the intended search target. This indicates that the action has successfully initiated the search function and is in line with the task of finding and following "musk."

61

62 Documentation:

63

64 The UI element functions as a search bar, allowing users to input text to search for specific content or profiles within the app.

65

66 Documentation for the element `com.twitter.android.id_app_bar_com.twitter.android.id_toolbar_0` already exists.

67

68 `android.support.design.widget.AppBarLayout`0.551102398279096

69 Round 2

70

71 Thinking about what to do in the next step...

72

73 `android.support.design.widget.AppBarLayout` \$0.02

74

75 Observation:

76

77 The screenshot shows a social media app with search results for the term "musk." Among the results, there is a verified account named "Elon Musk" with the username "@elonmusk" tagged with the number 13.

78

79 Thought:

80

81 To complete the given task, which is to follow "musk," I should tap on the correct UI element associated with the account of Elon Musk to view his profile or follow him directly if that option is available.

82

83 Action:

84

85 `tap(13)`

86

87 Summary:

88

89 I have used the search function to find "musk" and have now tapped on the verified account of Elon Musk to proceed with the task of following him.

90
91 Reflecting on my previous action...
92
93 □□□□□□ \$0.03
94
95 Decision:
96
97 SUCCESS
98
99 Thought:
100
101 The action of tapping the UI element labeled with the number '13' on
the first screenshot successfully moved the task forward by
navigating to the profile page of the verified account of Elon Musk,
which is in line with the task of following him.
102
103 Documentation:
104
105 The UI element functions as a link to a user's profile page within the
app.
106
107 Documentation for the element com.twitter.android.
id_search_suggestions_list_android.widget.RelativeLayout_1080_192_4
already exists.
108
109 □□□□□□□□0.7435403724748602□□□□□□□□
110 Round 3
111
112 Thinking about what to do in the next step...
113
114 □□□□□□ \$0.02
115
116 Observation:
117
118 The screenshot shows the profile of Elon Musk on a social media
platform. There is a follow button labeled with the number 4, which
is currently not activated, indicating that the profile is not yet
followed.
119
120 Thought:
121

```

122 To complete the given task, I should tap the follow button to follow
    Elon Musk's profile.
123
124 Action:
125
126 tap(4)
127
128 Summary:
129
130 I searched for "musk" and tapped on Elon Musk's verified account.
    Now, I have tapped the follow button to follow his profile.
131
132 Reflecting on my previous action...
133
134 □□□□□□ $0.03
135
136 Decision:
137
138 SUCCESS
139
140 Thought:
141
142 The action of tapping the UI element labeled with the number '4' has
    resulted in a change from "□□" (Follow) to "□□□□" (Following),
    indicating that the user has successfully followed Elon Musk's
    verified account, which aligns with the task description.
143
144 Documentation:
145
146 The UI element functions as a toggle button to follow or unfollow a
    user's profile on the platform.
147
148 Documentation for the element com.twitter.android.
    id_button_bar_com.twitter.android.
    id_button_bar_follow_□□ElonMusk□□□□_5 already exists.
149
150 □□□□□□□□□□0.9256627473104408□□□□□□□□
151 Autonomous exploration completed successfully. 0 docs generated.
152
153
154 □□□□□□□□□□□□ 0

```