TELEPHONE NUMBER VALIDATOR CERTIFICATION PROJECT

In the US, phone numbers can be formatted in many ways. Here are some examples of valid formats for US phone numbers:

    1 555-555-5555

    1 (555) 555-5555

    1(555)555-5555

    1 555 555 5555

    5555555555

    555-555-5555

    (555)555-5555

Note that the area code is required. Also, if the country code is provided, you must confirm that the country code is 1.

Objective: Build an app that is functionally similar to https://telephone-number-validator.freecodecamp.rocks.

User Stories:

1. You should have an input element with an id of "user-input".
2. You should have a button element with an id of "check-btn".
3. You should have a button element with an id of "clear-btn".
4. You should have a div, span or p element with an id of "results-div".
5. When you click on the #check-btn element without entering a value into the #user-input element, an alert should appear with the text "Please provide a phone number".
6. When you click on the #clear-btn element, the content within the #results-div element should be removed.

7. When the `#user-input` element contains 1 555-555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 1 555-555-5555".

8. When the `#user-input` element contains 1 (555) 555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 1 (555) 555-5555".

9. When the `#user-input` element contains 5555555555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 5555555555".

10. When the `#user-input` element contains 555-555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 555-555-5555".

11. When the `#user-input` element contains (555)555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: (555)555-5555".

12. When the `#user-input` element contains 1(555)555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 1(555)555-5555".

13. When the `#user-input` element contains 555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Invalid US number: 555-5555".

14. When the `#user-input` element contains 5555555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Invalid US number: 5555555".

15. When the `#user-input` element contains 1 555)555-5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Invalid US number: 1 555)555-5555".

16. When the `#user-input` element contains 1 555 555 5555 and the `#check-btn` element is clicked, the `#results-div` element should contain the text "Valid US number: 1 555 555 5555".

17. When the #user-input element contains 1 456 789 4444 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1 456 789 4444".

18. When #user-input contains 123**&!!asdf# and #check-btn is clicked, #results-div should contain the text "Invalid US number: 123**&!!asdf#".

19. When the #user-input element contains 55555555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 55555555".

20. When the #user-input element contains (6054756961) and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: (6054756961)".

21. When the #user-input element contains 2 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 2 (757) 622-7382".

22. When the #user-input element contains 0 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 0 (757) 622-7382".

23. When the #user-input element contains -1 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: -1 (757) 622-7382".

24. When the #user-input element contains 2 757 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 2 757 622-7382".

25. When the #user-input element contains 10 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 10 (757) 622-7382".

26. When the #user-input element contains 27576227382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 27576227382".

27. When the #user-input element contains (275)76227382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: (275)76227382".

28. When the #user-input element contains 2(757)6227382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 2(757)6227382".

29. When the #user-input element contains 2(757)622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 2(757)622-7382".

30. When the #user-input element contains 555)-555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 555)-555-5555".

31. When the #user-input element contains (555-555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: (555-555-5555".

32. When #user-input contains (555)5(55?)-5555 and #check-btn is clicked, #results-div should contain the text "Invalid US number: (555)5(55?)-5555".

33. When the #user-input element contains 55 55-55-555-5 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 55 55-55-555-5".

34. When the #user-input element contains 11 555-555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 11 555-555-5555".

Fulfill the user stories and pass all the tests below to complete this project. Give it your own personal style. Happy Coding!

TESTS

1. You should have an input element with an id of "user-input".
2. You should have a button element with an id of "check-btn".
3. You should have a button element with an id of "clear-btn".
4. You should have a div, span, or p element with an id of "results-div".
5. When you click on the #check-btn element without entering a value into the #user-input element, an alert should appear with the text "Please provide a phone number".
6. When you click on the #clear-btn element, the content within the #results-div element should be removed.
7. When the #user-input element contains 1 555-555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1 555-555-5555".
8. When the #user-input element contains 1 (555) 555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1 (555) 555-5555".
9. When the #user-input element contains 5555555555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 5555555555".
10. When the #user-input element contains 555-555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 555-555-5555".
11. When the #user-input element contains (555)555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: (555)555-5555".
12. When the #user-input element contains 1(555)555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1(555)555-5555".

13. When the #user-input element contains 555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 555-5555".

14. When the #user-input element contains 5555555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 5555555".

15. When the #user-input element contains 1 555)555-5555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 1 555)555-5555".

16. When the #user-input element contains 1 555 555 5555 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1 555 555 5555".

17. When the #user-input element contains 1 456 789 4444 and the #check-btn element is clicked, the #results-div element should contain the text "Valid US number: 1 456 789 4444".

18. When #user-input contains 123**&!!asdf# and #check-btn is clicked, #results-div should contain the text "Invalid US number: 123**&!!asdf#".

19. When the #user-input element contains 55555555 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 55555555".

20. When the #user-input element contains (6054756961) and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: (6054756961)".

21. When the #user-input element contains 2 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 2 (757) 622-7382".

22. When the #user-input element contains 0 (757) 622-7382 and the #check-btn element is clicked, the #results-div element should contain the text "Invalid US number: 0 (757) 622-7382".

23.   When the `#user-input` element contains `-1 (757) 622-7382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: -1 (757) 622-7382"`.

24.   When the `#user-input` element contains `2 757 622-7382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 2 757 622-7382"`.

25.   When the `#user-input` element contains `10 (757) 622-7382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 10 (757) 622-7382"`.

26.   When the `#user-input` element contains `27576227382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 27576227382"`.

27.   When the `#user-input` element contains `(275)76227382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: (275)76227382"`.

28.   When the `#user-input` element contains `2(757)6227382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 2(757)6227382"`.

29.   When the `#user-input` element contains `2(757)622-7382` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 2(757)622-7382"`.

30.   When the `#user-input` element contains `555)-555-5555` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 555)-555-5555"`.

31.   When the `#user-input` element contains `(555-555-5555` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: (555-555-5555"`.

32.   When `#user-input` contains `(555)5(55?)-5555` and `#check-btn` is clicked, `#results-div` should contain the text `"Invalid US number: (555)5(55?)-5555"`.

33. When the `#user-input` element contains `55 55-55-555-5` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 55 55-55-555-5"`.

34. When the `#user-input` element contains `11 555-555-5555` and the `#check-btn` element is clicked, the `#results-div` element should contain the text `"Invalid US number: 11 555-555-5555"`.