

Codility

CodeCheck Report: trainingYW5S3N-9D8

Test Name:

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Summary

Timeline

Tasks summary

Task	Time spent	Score
ReactLikeButton JavaScript 	5 min	100%

Total score



Tasks Details

Easy	1.	ReactLikeButton Create a simple like button component with React.	Task Score	Correctness	Performance
			100%	100%	Not assessed

Task description

Build a "like button" component using React 16. The component should be the default export (use export default).

Requirements:


1. There should be a like button:

- The content of the like button should be in the following format: "Like | 100", where 100 is the total number of likes.
- It should have a "like-button" class.
- Wrap the number of likes in a span with a "likes-counter" class.
- The initial number of likes in the counter should be 100.

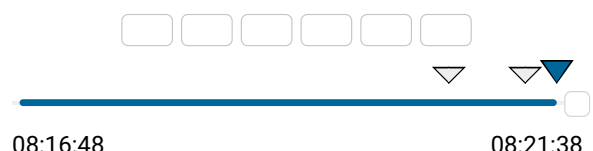
2. Users can add a like. By clicking the button:

Solution

Programming language used: JavaScript

Total time used: 5 minutes Effective time used: 5 minutes Notes: *not defined yet*

Task timeline



- The number of likes should increase by one.
- Like button should have "liked" class in addition to the "like-button" class (you can use the `classnames` tool for that).

3. Users can undo their like by clicking again on the button:

- The counter should decrease by one.
- "liked" class should be removed.

Assessment/Tools:

- Only two imports are allowed: `react` (v16.8.6) and `classnames` (v2.2.5). Both are at the top of the starting code.
- Use the animation below as a reference for your solution.
- Design/styling is not assessed and will not affect the score. You should focus only on implementing the requirements.
- The "Preview" tab will display your component. You can use it for testing purposes.



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Code: 08:21:38 UTC, js,
final, score: **100**

[show code in pop-up](#)

```

1  import React, { useState } from 'react';
2  import classNames from 'classnames';
3
4  const LikeButton = ({ likes, liked }) => {
5    const [likes, setLikes] = useState(likes);
6    const [liked, setLiked] = useState(liked);
7
8    const handleClick = () => {
9      if (liked) {
10         setLikes(likes - 1);
11         setLiked(false);
12      } else {
13         setLikes(likes + 1);
14         setLiked(true);
15      }
16    };
17
18    const buttonClasses = classNames('like-button', liked && 'liked');
19
20    return (
21      <button class={buttonClasses}>
22        Like | <span>{likes}</span>
23      </button>
24    );
25  };
26
27  export default LikeButton;
```

Analysis summary

The solution obtained perfect score.

Analysis

expand all	Correctness tests
▶ Component should have a like button	✓ OK
▶ Component should have the initial likes counter	✓ OK
▶ Component should have a proper format	✓ OK
▶ Component should increment counter when like is clicked	✓ OK
▶ Component should decrement counter when like is double-clicked	✓ OK
▶ Component should properly toggle 3 times	✓ OK
▶ Component should have proper classes	✓ OK