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Subject: Zadatak

Part 1

Write a simple “word game” web application

The user must be able to enter a word and the application should allow only the words that are in the English dictionary. The application should score the word by the following rules:

- a) Give 1 point for each unique letter.
- b) Give 3 extra points if the word is a palindrome.
- c) Give 2 extra points if the word is “almost palindrome”. Definition of “almost palindrome”: if by removing at most one letter from the word, the word will be a true palindrome.

Create a REST API for the described functionality. While the Symfony framework is preferred, you may use another technology you are more familiar with. Demonstrate how the application works by creating functional tests that use the REST API directly.

Part 2

Write unit tests and implement console application.

Part 3

Write a React application using Redux for described functionality from Part 1. Application should show a form for entering a word and a list of all the words submitted, sorted by score.

Inside a list, highlight the last word submitted. List should be persisted (restarting a browser shouldn't remove a list).

Note: If you have any questions, feel free to ask, and please use “reply to all”.

Good luck :)

Novi Sad, 10.09.2025.