

Individual Project Report - Week 6

Your product is effective in delivering the knowledge in computer science to the product users.

Yes the product is effective since we are giving educational themes for the wordsearch application. In addition, when searching for words, the students can learn how to read and memorize the words, and which also helps them with spelling.

User friendly/appealing in terms of the following criteria.

- The landing page is attractive. (hints: the homepages of the high-tech giants)
Yes, using external libraries to make the UI more attractive
- Users are be able to understand and play the puzzle game quickly.
Yes. Specific instructions with easy to use UI
- Users can just jump in and start playing (trying out) the game immediately without the registration process.(Certainly, the performance progress of unregistered users will not be recorded.)

Yes

Your product should have the following functions. .

- Users can register with a username and a password.
Yes
- The performance of registered users are updated after each trial and can be displayed upon requests
Yes
- Users can ask for hints and/or solutions.
Yes
- Administration account
 - Have all the functionality like the regular registered users.
Yes
 - Have additional privilege likes user account removals or password-reset.
Yes

Do you have a brute-force method as the comparison basis for the puzzle solver.

Yes

Do you have a better algorithm than brute-force.

Yes, a backtracking algorithm

Explain if the puzzle is targeted at a single user or multiplayer, competitive or non-competitive.

If it is a multiplayer-game , address the possibility of the direct peer-to-peer communications without going through the host.

Single player game with a leaderboard

Explain how to deploy your product.

I am planning on deploying the flask application through Heroku, based on their deployment tutorial.(<https://realpython.com/flask-by-example-part-1-project-setup/>)