

# WORD PUZZLE

## INTRODUCTION

- Word Puzzle is a **two-player game**.
- The game is played on a **15x15 puzzle screen**.
- A player can guess the Turkish meaning of the completed word.

## USER INTERFACE

```

012345678901234 Turn: Sadullah
0b##d.....t## Score: Sadullah = 28 John = 0
1a#####p.....
2n##vs#####.#
3d##.#####
4w##r.....#.#
5i##.#####
6d##p.....#.
7t##.#####
8h##.#####
9##c.....#.
0##.#####
1####.#####
2####.#####
3####a.....#
4#####.#####
Sadullah gets 1 point

***WORD LIST***
[ ]abstract
[ ]all
[ ]appendix
[ ]assembler
[X]bandwidth
[ ]belt
[ ]branch
[ ]branching
[ ]broadcast
[ ]buffering
[ ]capacity
[ ]chip
[ ]choice
[ ]clause
[ ]cluster
(...)

The word 'bandwidth' is placed correctly. Sadullah gets 10 points.
What is the meaning of bandwidth in Turkish? Please enter your option.
a)tümü b)bant genişliği c)sifre çözmek
Answer:B
Answer is correct. Sadullah gets extra 10 points.

```

## TECHNICAL DETAILS

- **Single Linked List** data structure has been implemented to sort words alphabetically.
- **Multi Linked List** data structure has been implemented to list words sequentially.
- **Double Linked List** data structure has been implemented to sort high-score table.

## CHANGEABLE TEXT FILE

- Additionally, the winner is inserted to the text file.

high_score_table.txt
Dosya Düzen Biçim
Player1;215
Emre;100
Tuğçe;90
Ezgi;80
Osman;60
Deniz;50
Serkan;45
Mustafa;40
Aydan;40
Gizem;35
Ender;30

