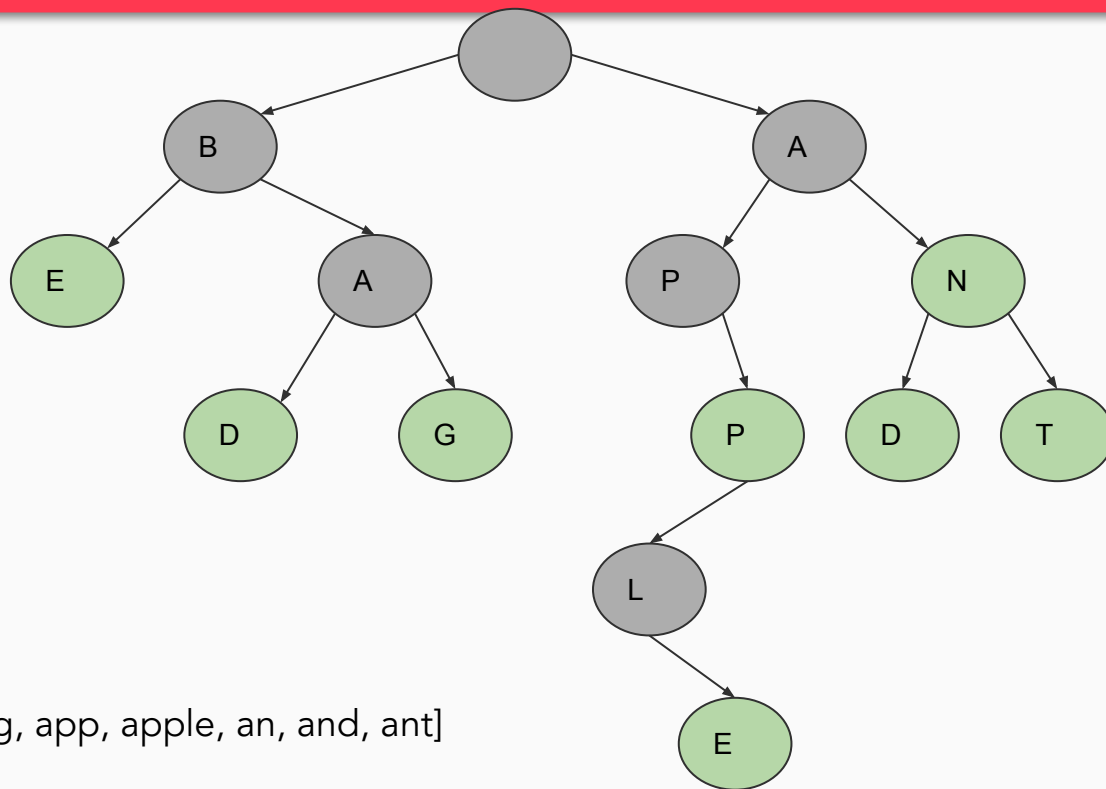Tries

What are tries? What are they used for?

- A trie is a tree data structure that stores a character string at each node.
  - All paths from the root to a node represent a string of characters on the path.
- Tries can be used to efficiently implement string searching/matching algorithms.
- Example use cases:
  - Search engine results optimization
  - Autocomplete
  - Spell checkers
  - Browser history

Example

words = [be, bad, bag, app, apple, an, and, ant]

Demo

- [Implement Trie (Prefix Tree)](#)

Questions?

Let's practice!

- Review
  - [Design Add and Search Words Data Structure](#)
- Bonus
  - [Word Search II](#)