

Final Project

February 25, 2020

1 TODO Finish Project [0%]

1.1 TODO create google form for member strengths

1.2 TODO Write Requirements

- Input
 - Multiple Types
 - * User inputs two names (wikipages)
 - * ~ user inputs one name (wiki page)
- Processing
 - Convert string to related node id
 - Find the paths such that all possible paths are $\leq |\text{path}|$
- Interaction
 1. Take user input
 2. Say if we found a link or not
 - If found a link keep going, else terminate
 3. Ask user for a guess about the path length
 - The number of guesses is yet to be decided
 - Allow user to skip guessing
 4. Show the output.
- Output
 1. The length

2. The actual path

- Should be sorted using lexicographical to sort the paths
 - * Least obvious
 - Least category changes
 - Allow user to search the paths for a page/string in page name
 - Using the names of the wiki pages
 - * Retrieved using the node numbers and the SQL Database
- Consider something to do with categories

1.3 TODO Write Spec

- Modules
 - SQLite module
 - * A module to wrap around the SQLite module provided by Java
 - Interface
 - * Responsible for input and output
 - * State of interaction process
 - Input step, etc.
 - Traversal Module
 - * Responsible for finding the shortest path between two nodes
- ADT
 - Path
 - * Stores the solutions sequences
 - Node
 - * node number
 - * set of neighbouring nodes numbers, not ADT

1.4 TODO Distribute modules work

1.5 TODO Implement program