

Final Project

March 8, 2020

1 TODO Finish Project [50%]

1.1 DONE create google form for member strengths

1.2 DONE 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 change
 - A module to wrap around the SQLite module provided by Java
- 3. Interface
 - Responsible for input and output
 - State of interaction process
 - * Input step, etc.
- 4. 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

1.3 TODO Distribute modules work

1.4 TODO Implement program

1.4.1 TODO Decide on design

1.4.2 TODO Assign implementation