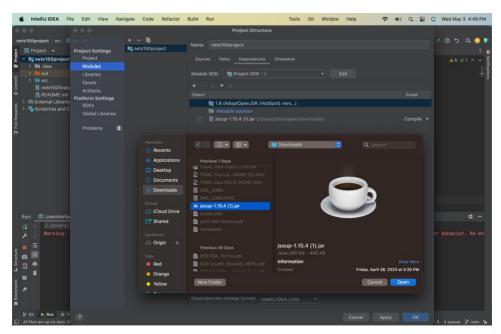
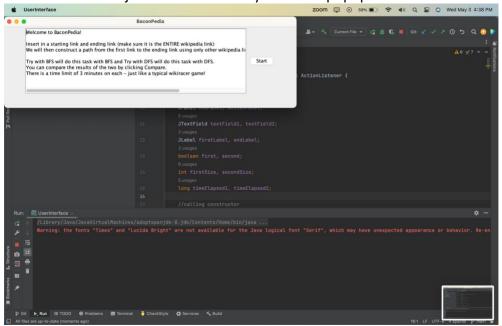
Welcome to BaconPedia!

Once downloading our project, go into the src file and first open LinkScraper.java. Then, go to the Project Directory and add the JSoup Jar to the project. This will allow LinkScraper to work properly:



Run UserInterface.java which will lead you to this popup:



Enter your starting Wikipedia link and your ending Wikipedia link. Only input Wikipedia links to ensure the program runs smoothly:

Here we use Bread and Barack Obama as an example!



Click on Try with BFS! To run the two links using the BFS search algorithm. A new screen will pop up showing how many links it took to find the end link and how many milliseconds it took to get there.



To run the two links on DFS, click the DFS button:

```
Results of DFS!
We ran DFS to go from the starting link to the ending link
It took 518 links to get from the start to the end!
It took 10519 ms to get there
https://en.wikipedia.org/wiki/Bread
https://en.wikipedia.org/wiki/Phytates
https://en.wikipedia.org/wiki/Doi_(identifier)
https://en.wikipedia.org/wiki/Permalink
https://en.wikipedia.org/wiki/Project_diary
https://en.wikipedia.org/wiki/Webcomic
https://en.wikipedia.org/wiki/Eric_Millikin
https://en.wikipedia.org/wiki/Expressionist
https://en.wikipedia.org/wiki/Rolf_Nesch
https://en.wikipedia.org/wiki/Help:Authority_control
https://en.wikipedia.org/wiki/Dictionary_of_Australian_Artists
https://en.wikipedia.org/wiki/The_Conversation_(website)
https://en.wikipedia.org/wiki/ProPublica
https://en.wikipedia.org/wiki/Livingston_Award
https://en.wikipedia.org/wiki/The_New_Yorker
https://en.wikipedia.org/wiki/Advance_Publications
https://en.wikipedia.org/wiki/South_Jersey_Times
https://en.wikipedia.org/wiki/Vogue_Poland
https://en.wikipedia.org/wiki/The_Big_Four_(fashion)
https://en.wikipedia.org/wiki/Vogue_Nederland
https://en.wikipedia.org/wiki/Cond%C3%A9_Nast
https://en.wikipedia.org/wiki/Ars_Technica
https://en.wikipedia.org/wiki/Cato_Institute
https://en.wikipedia.org/wiki/Libertarianism
https://en.wikipedia.org/wiki/Nestor_Makhno
https://en.wikipedia.org/wiki/Decentralization
https://en.wikipedia.org/wiki/Ricardo_Flores_Mag%C3%B3n
https://en.wikipedia.org/wiki/Thomas_Hodgskin
https://en.wikipedia.org/wiki/Rose_Wilder_Lane
https://en.wikipedia.org/wiki/Henry_Hazlitt
```

Now, to compare the two results, click on the Compare! Button, this will compare the link amount and amount of time it takes:



You must run both BFS and DFS before comparing, otherwise it will display a screen asking you





We implemented a cap for both algorithms to model it off the game in the real world. If you can't find the link within a certain time frame or number of links, the player will lose and stop playing.

If the end link doesn't show up by the 75th link or 3 minutes, the program will terminate and print this screen:



Some links we suggest you try out:

1		

- a. https://en.wikipedia.org/wiki/Nike, Inc.
- b. https://en.wikipedia.org/wiki/Trade route

2.

- a. https://en.wikipedia.org/wiki/Bread
- b. https://en.wikipedia.org/wiki/Barack Obama

3.

- a. https://en.wikipedia.org/wiki/Barack Obama
- b. https://en.wikipedia.org/wiki/Economic anthropology

4.

- a. https://en.wikipedia.org/wiki/Zendaya
- b. https://en.wikipedia.org/wiki/Paris Hilton