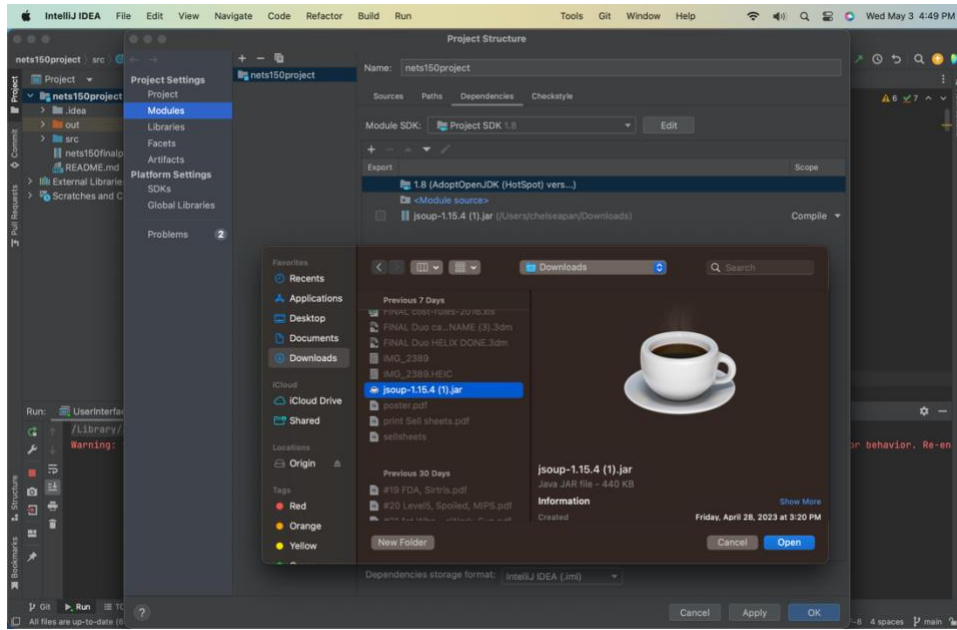
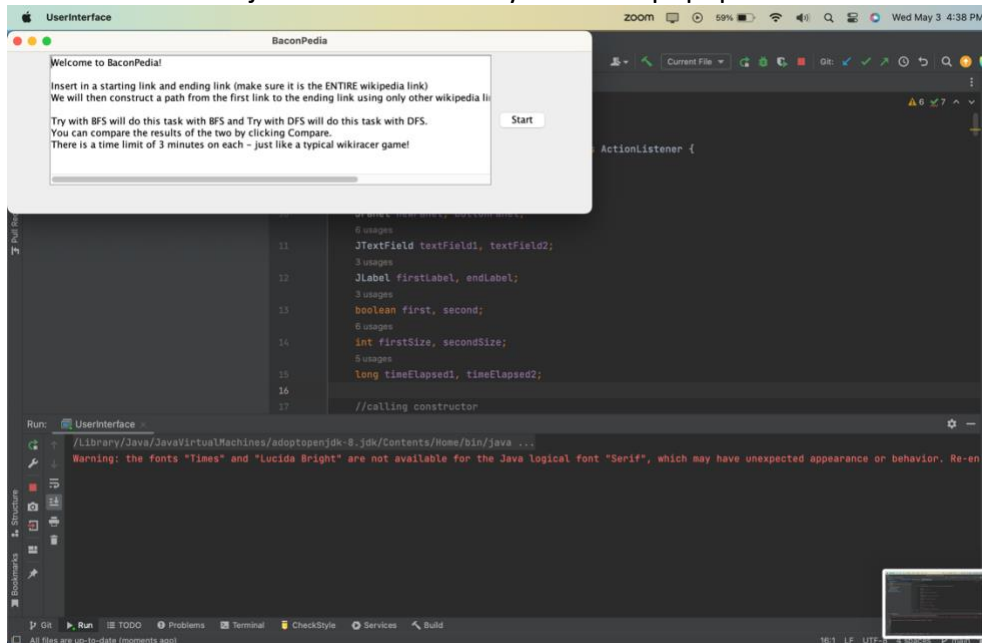


# Welcome to BaconPedia!

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:

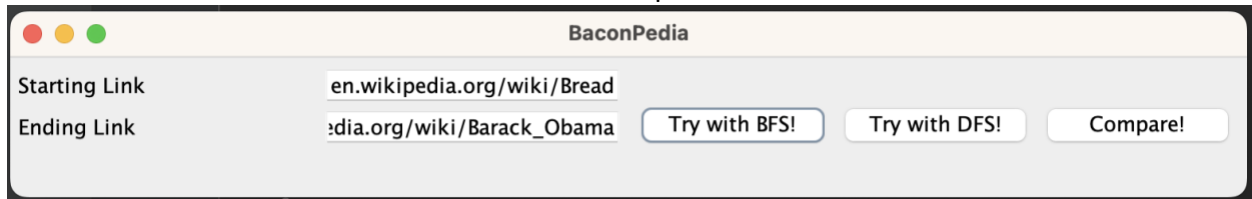


Run UserInterface.java which will lead you to this popup:



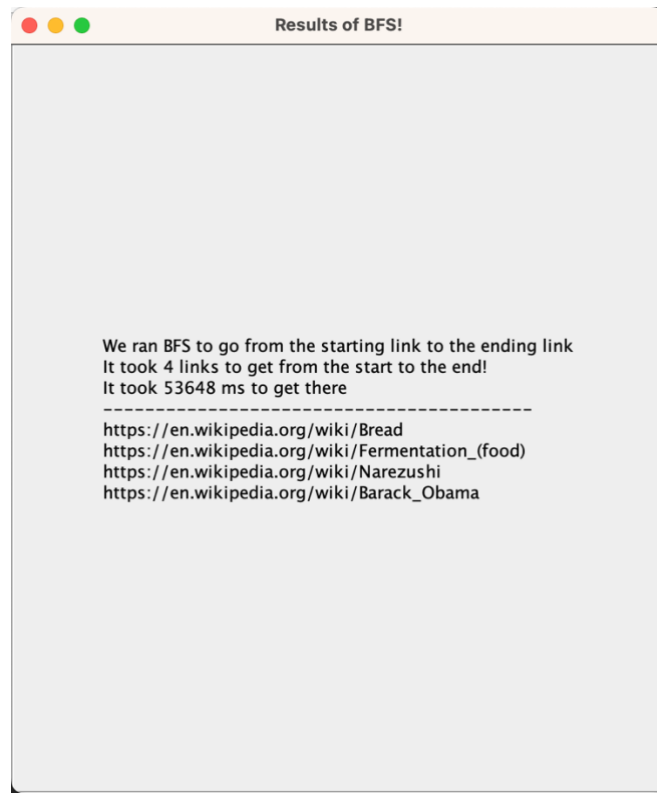
Enter your starting Wikipedia link and your ending Wikipedia link. Only input Wikipedia links to ensure the program runs smoothly:

Here we use Bread and Barack Obama as an example!



The screenshot shows a window titled "BaconPedia". It has two input fields: "Starting Link" with the value "en.wikipedia.org/wiki/Bread" and "Ending Link" with the value "edia.org/wiki/Barack\_Obama". To the right of the input fields are three buttons: "Try with BFS!", "Try with DFS!", and "Compare!".

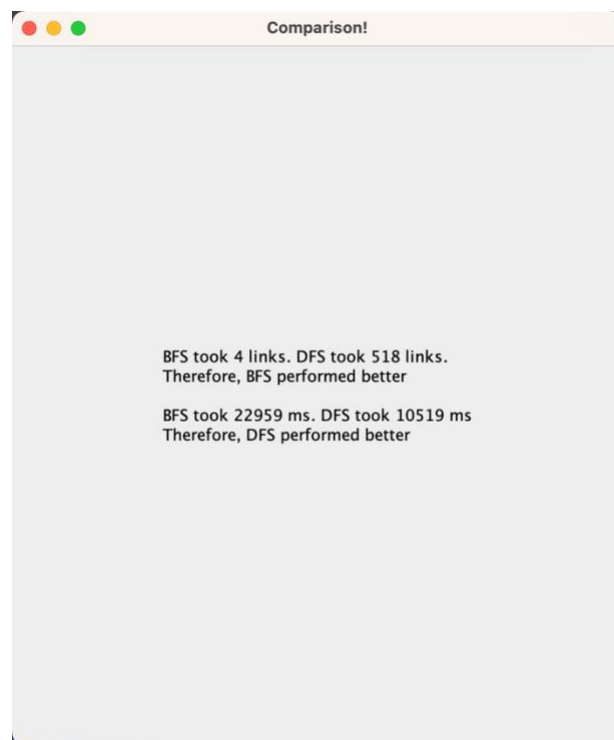
Click on Try with BFS! To run the two links using the BFS search algorithm. A new screen will pop up showing how many links it took to find the end link and how many milliseconds it took to get there.



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



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 to do so:



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 75<sup>th</sup> 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.](https://en.wikipedia.org/wiki/Nike,_Inc.)
  - b. [https://en.wikipedia.org/wiki/Trade\\_route](https://en.wikipedia.org/wiki/Trade_route)
2.
  - a. <https://en.wikipedia.org/wiki/Bread>
  - b. [https://en.wikipedia.org/wiki/Barack\\_Obama](https://en.wikipedia.org/wiki/Barack_Obama)
3.
  - a. [https://en.wikipedia.org/wiki/Barack\\_Obama](https://en.wikipedia.org/wiki/Barack_Obama)
  - b. [https://en.wikipedia.org/wiki/Economic\\_anthropology](https://en.wikipedia.org/wiki/Economic_anthropology)
4.
  - a. <https://en.wikipedia.org/wiki/Zendaya>
  - b. [https://en.wikipedia.org/wiki/Paris\\_Hilton](https://en.wikipedia.org/wiki/Paris_Hilton)