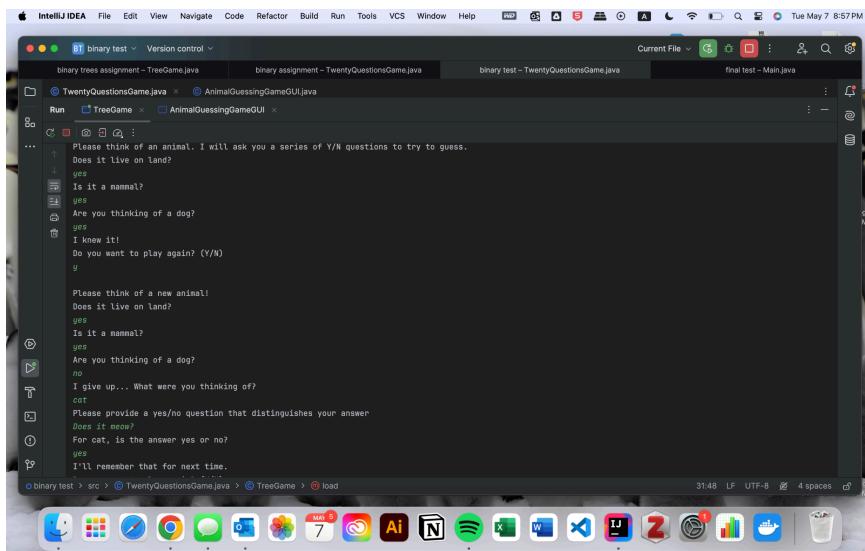


## Code terminal output:

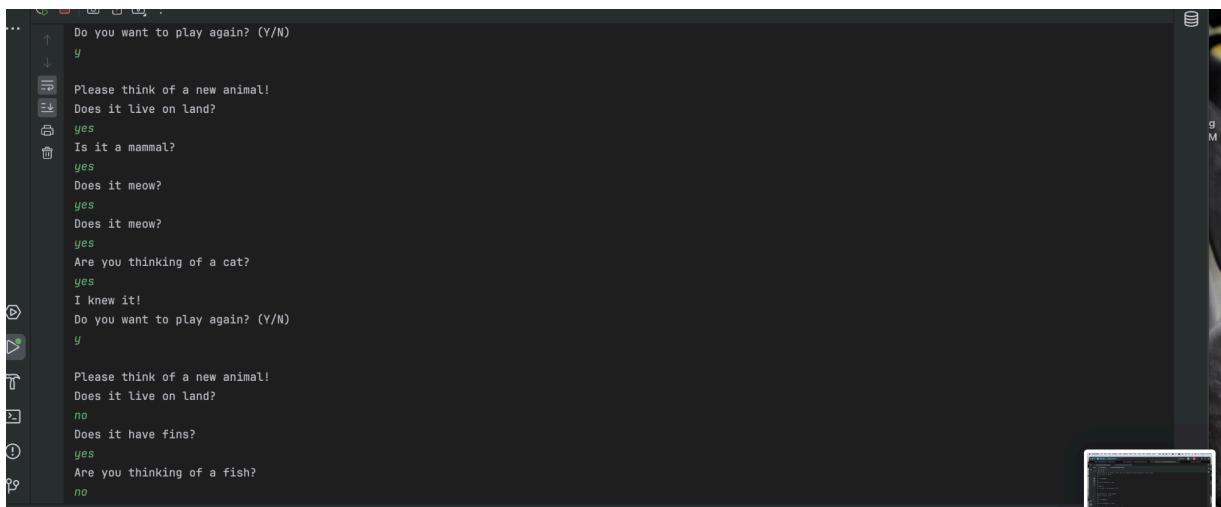
Kind of works... still has some issues, but the tree does update.



```
binary test > TwentyQuestionsGame.java > AnimalGuessingGameGUI.java > final test - Main.java
Please think of an animal. I will ask you a series of Y/N questions to try to guess.
Does it live on land?
yes
Is it a mammal?
yes
Are you thinking of a dog?
yes
I knew it!
Do you want to play again? (Y/N)
y

Please think of a new animal!
Does it live on land?
yes
Is it a mammal?
yes
Are you thinking of a dog?
no
I give up... What were you thinking of?
cat
Please provide a yes/no question that distinguishes your answer
Does it meow?
For cat, is the answer yes or no?
yes
I'll remember that for next time.

31:48 LF UTF-8 4 spaces
```

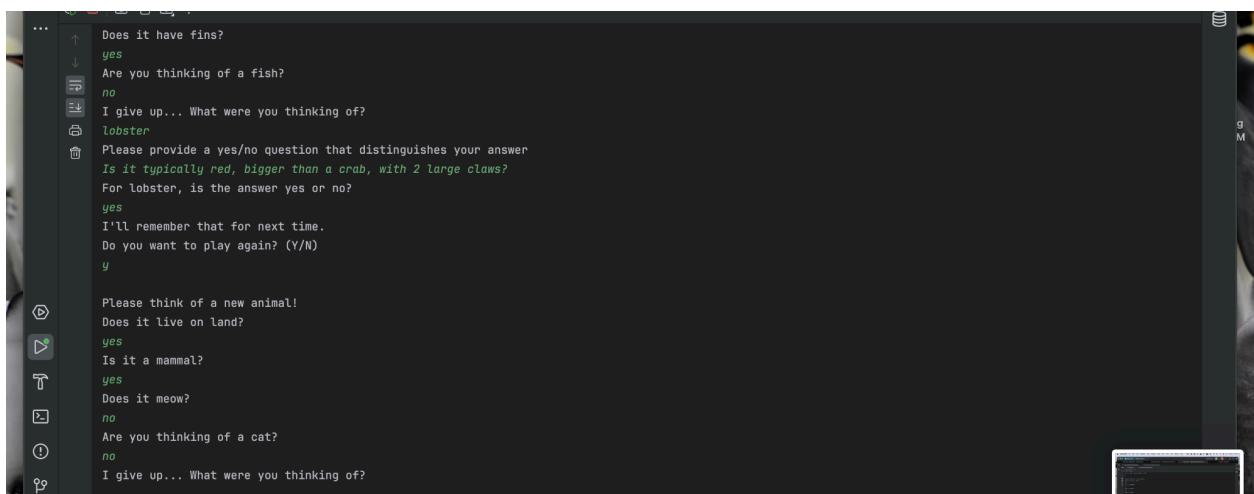


```
Do you want to play again? (Y/N)
y

Please think of a new animal!
Does it live on land?
yes
Is it a mammal?
yes
Does it meow?
yes
Does it meow?
yes
Are you thinking of a cat?
yes
I knew it!
Do you want to play again? (Y/N)
y

Please think of a new animal!
Does it live on land?
no
Does it have fins?
yes
Are you thinking of a fish?
no
I give up... What were you thinking of?
lobster
Please provide a yes/no question that distinguishes your answer
Is it typically red, bigger than a crab, with 2 large claws?
For lobster, is the answer yes or no?
yes
I'll remember that for next time.
Do you want to play again? (Y/N)
y

Please think of a new animal!
Does it live on land?
yes
Is it a mammal?
yes
Does it meow?
no
Are you thinking of a cat?
no
I give up... What were you thinking of?
```

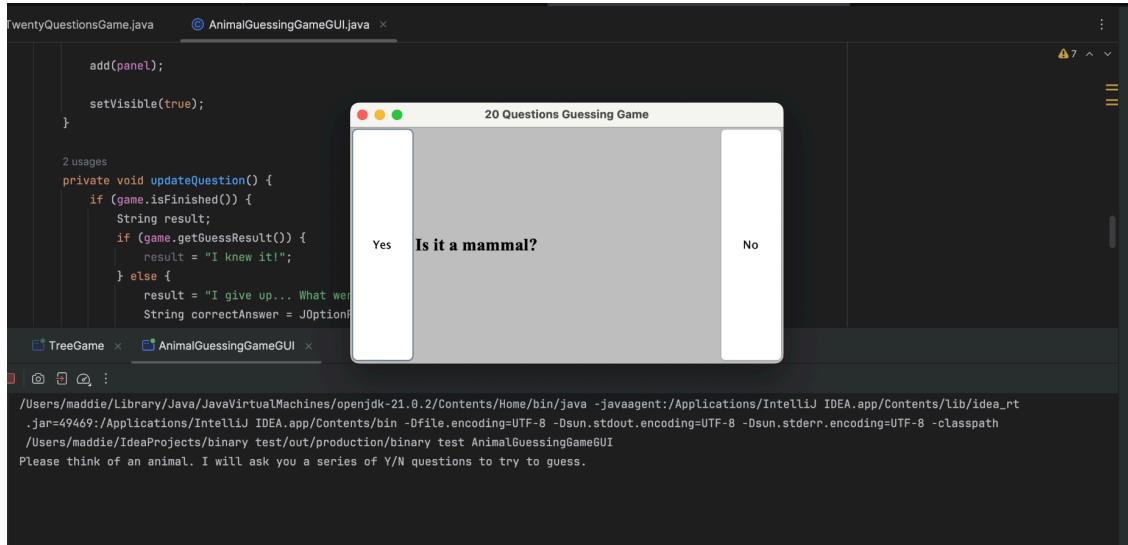


```
Does it have fins?
yes
Are you thinking of a fish?
no
I give up... What were you thinking of?
lobster
Please provide a yes/no question that distinguishes your answer
Is it typically red, bigger than a crab, with 2 large claws?
For lobster, is the answer yes or no?
yes
I'll remember that for next time.
Do you want to play again? (Y/N)
y

Please think of a new animal!
Does it live on land?
yes
Is it a mammal?
yes
Does it meow?
no
Are you thinking of a cat?
no
I give up... What were you thinking of?
```

## GUI Creativity:

Also has some flaws, but I tried... Can't figure out why it's not working when I think I'm considering everything in my other file (ie. input box for correct answer, defining question, and message for "I knew it").



The screenshot shows the IntelliJ IDEA interface with two tabs open: 'TwentyQuestionsGame.java' and 'AnimalGuessingGameGUI.java'. The 'AnimalGuessingGameGUI.java' tab is active, displaying Java code for a GUI application. A Java application window titled '20 Questions Guessing Game' is running in the foreground. The window contains the text 'Is it a mammal?' with 'Yes' and 'No' buttons on either side. Below the window, the terminal output shows the command used to run the application and a prompt for the user to think of an animal.

```
TwentyQuestionsGame.java  AnimalGuessingGameGUI.java

    add(panel);

    setVisible(true);
}

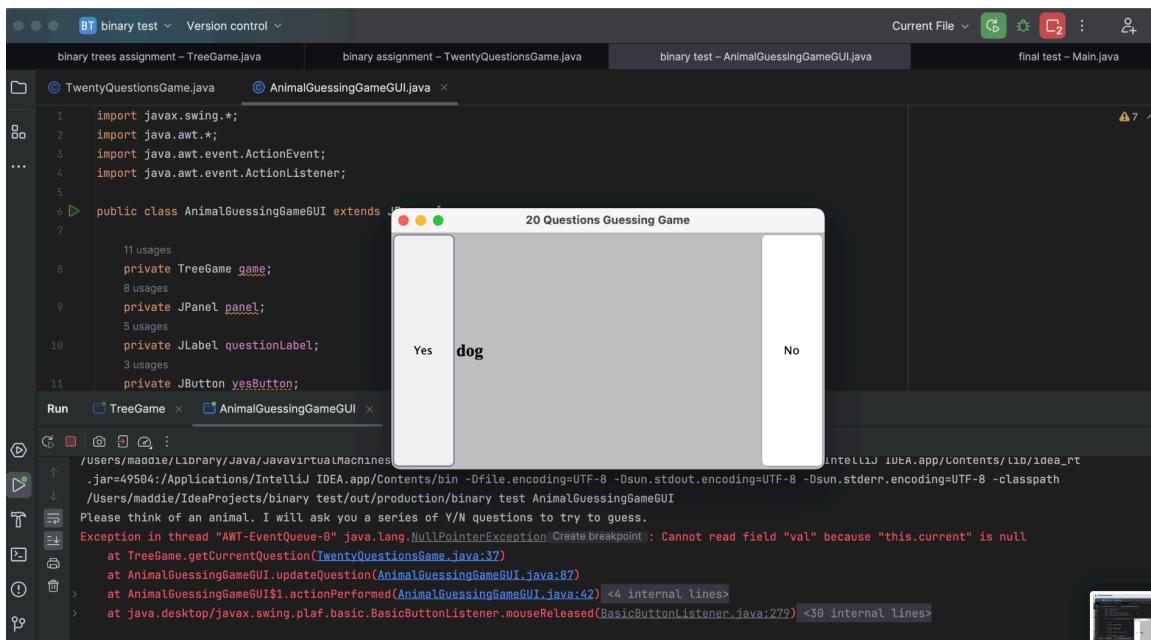
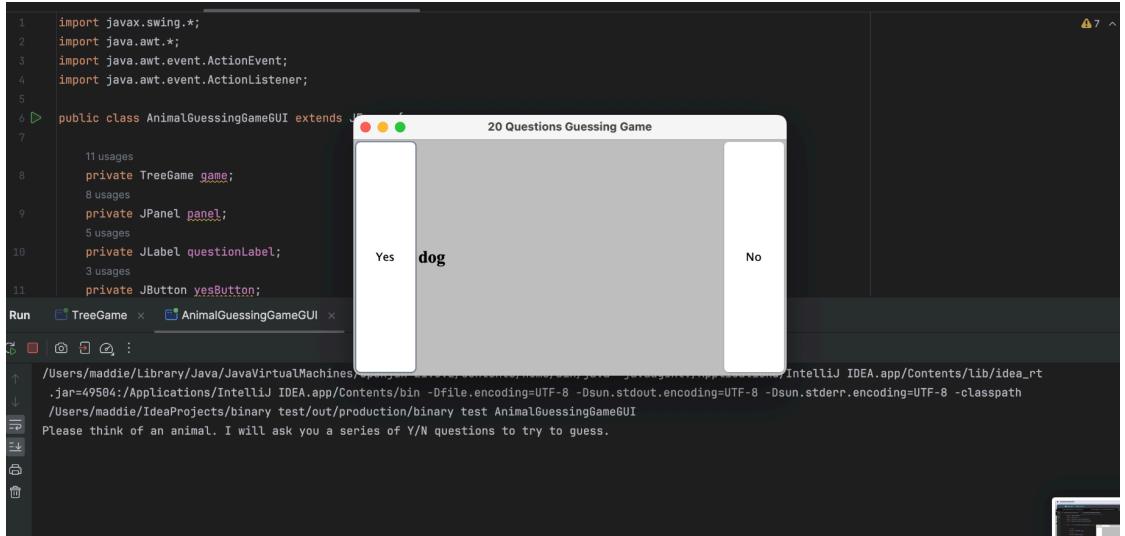
2 usages
private void updateQuestion() {
    if (game.isFinished()) {
        String result;
        if (game.getGuessResult()) {
            result = "I knew it!";
        } else {
            result = "I give up... What we...
String correctAnswer = JOptionPane.showConfirmDialog(null, result, "20 Questions Guessing Game", JOptionPane.YES_NO_OPTION);
if (correctAnswer == JOptionPane.YES_OPTION) {
    game.setCorrectAnswer(true);
} else {
    game.setCorrectAnswer(false);
}
updateQuestion();
}

TreeGame x AnimalGuessingGameGUI x

/Users/maddie/Library/Java/JavaVirtualMachines/openjdk-21.0.2/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt.jar=49469:/Applications/IntelliJ IDEA.app/Contents/bin -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath /Users/maddie/IdeaProjects/binary test/out/production/binary test AnimalGuessingGameGUI

Please think of an animal. I will ask you a series of Y/N questions to try to guess.
```





## Error issues