## Final Project Source Code Kobe Tran

## Code:

```
import java.awt.event.ActionListener;
   private JPanel mainPanel;
   public SpellingBee() {
   public SpellingBee(File f) {
```

```
public void tester() {
mystery map.containsKey(found word));
   public void selectFile(){
       JFileChooser chooser = new JFileChooser();
       FileNameExtensionFilter filter = new FileNameExtensionFilter("txt
       int returnVal = chooser.showOpenDialog(mainPanel); //dialog box
   public void initializeFields() {
           Scanner file read = new Scanner(mystery file); //read mystery
```

```
while (file read.hasNextLine()) {
                isEssential = true;
                isJumble = true;
                jumble letters.add(data); //record jumble letters
        file read.close(); //close file
        System.out.println(e.getMessage());
public Boolean isGameWonHelperFunction() {
    Collection<Boolean> isFoundArr = mystery map.values();
        if(isFound == false){
public void makeGUI() {
```

```
mainPanel.setLayout(new FlowLayout(FlowLayout.CENTER, 20, 50));
how to play text area.setLineWrap(true);
how to play text area.append("(1) Essential Letter Button
how to play text area.append("(2) All other letter buttons can be
how to play text area.append("(3) Enter the word to see if it's in
how to play text area.append("(4) To Win: Find all the words in the
display field.setEditable(false);
```

```
mainPanel.add(enter button);
mainPanel.add(message field);
mainPanel.add(score field);
JTextArea found words text area = new JTextArea(3, 4 *
found words text area.setEditable(false);
    public void actionPerformed(ActionEvent e) {
        String word = display field.getText().toLowerCase();
        word += jumble letter1;
```

```
jumble letter button2.addActionListener(new ActionListener() {
   public void actionPerformed(ActionEvent e) {
   public void actionPerformed(ActionEvent e) {
       String jumble letter4 =
jumble letter button5.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
```

```
public void actionPerformed(ActionEvent e) {
public void actionPerformed(ActionEvent e) {
public void actionPerformed(ActionEvent e) {
    String word = display field.getText().toLowerCase();
        message field.setText("SUCCESS! Points Earned: " +
```

```
if(isGameWonHelperFunction()){
public void actionPerformed(ActionEvent e) {
```

```
//make window visible
   add(mainPanel);
   setSize(900, 700);
   setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
   setLocationRelativeTo(null);
   setVisible(true);
}

//main method
public static void main(String[] args){
   SpellingBee bee_game = new SpellingBee();
   bee_game.selectFile(); //let user choose which file to play game
(load game files)
   bee_game.initializeFields(); //data from file is stored in program
   bee_game.makeGUI(); //show game GUI

   //test method
   //bee_game.tester();
}
```