Compilation Instructions

- The main class is called *PseudoComposer* – to compile,

  javac PseudoComposer.java

User Manual

- Once opened, DO NOT RESIZE THE WINDOW as this will make it more difficult to enter or delete notes
- PseudoComposer composes short pieces in the style of J.S. Bach based on a theme entered by a user. It composes either preludes, which are monophonic, or chorales, which are homophonic.
- **Entering a theme**
  - To enter a theme, add notes to the measure by left-clicking on the staff. Users cannot control note duration or add accidentals. The staff ranges from D4 to G5. A maximum of 8 notes can be entered – if less than 3 are entered, the results will not be as desired (but feel free to try that out)
  - To delete notes, right-click on the note that you wish to delete
- **Playing the theme**
  - Once a note has been entered, you can listen to your entry – the button at the bottom of the screen should read "play theme", and the "theme" option should be selected.
- **Composing**
  - To compose a chorale, select the "chorale" button on the left of the screen and then press the bottom button, which should now read "make chorale"
  - To compose a prelude, select the "prelude" button on the right of the screen and then press the bottom button, which should now read "make prelude"
- **Additional features**
  - Under "options", the user has the ability to change the instrument to one of a number of options, or to change the tempo. By default, the music will be played by a grand piano at 40BPM.
  - Users can also save their composition as a text file, which can later be loaded in the app and played back. The "save" option saves the last musicString played by the player.