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The most difficult part of this assignment was figuring out how to write code to decouple the Button and Lightbulb through dependency inversion. Status for the assignment: all parts complete; majority of the assignment was quite straightforward except for the part requiring us to decouple Button and Lightbulb through inversion. I had to look up examples implementing dependency inversion in java to get some idea of how to go about doing this.

Lines of code: lines 3-21 (electricpowerswitch.java), etc.

Lines of code in unit tests: lines 7-17 (electricpowerswitchtest.java)

Unit test coverage: used Junit 4 to perform unit tests for this assignment. Eclipse was used to write the java code for this assignment.