**Q3 compare number**

**Description:**

Compare the number guessed by the app and the user’s response. The app would have different replies according to the user’s response.

**Precondition:**

1. The guesser app should exist
2. The guesser should have been setup
3. The guesser should have a time counter
4. The app should have guessed a number
5. The app should have an upper limit
6. The app should have a lower limit
7. The user should have given the response

**Main flow:**

The user’s response is “Correct!”

1. The time counter adds 1
2. The app’s reply is the times it takes

**Alternative flow:**

A1. The user response is “Try Higher”

1. The time counter adds 1
2. The app adjusts its lower limit to the guess number plus 1
3. The app recalculates the guess number
4. The app’s reply is the new guess number

A2. The user response is “Try Lower”

1. The time counter adds 1
2. The app adjusts its higher limit to the guess number minus 1
3. The app recalculates the guess number
4. The app’s reply is the new guess number

**Exception:**

E1. The user lies to the app

1. The app’s reply is “you lie!”

**Post-condition:**

The app displays its reply