Possible Test Cases

1. Entering a Run 1 time – pass
2. Entering a Run2 time – pass
3. Viewing results (show that it will display a new record after refreshing) – pass
4. Enter a Run 2 time without a run 1 time – fail
5. Enter a Run 2 time for someone that DNF run 1 -fail
6. Enter a Run 1 time for someone that already has a run 1 time-fail
7. Enter a Run 2 time for someone that already has a run 2 time -fail
8. Submitting the forms without data in it -fail

Physical Testing of the Cases

1a: Race: S Level: N BIB#: 140 Run: 1 Time: 27:45.03 – success

1b: Race: SG Level: I BIB#: 134 Run: 1 Time: 13.01 – success

2a: Race: S Level: N BIB#: 140 Run: 2 Time: 45.03 – success

2b: Race: SG Level: I BIB#: 134 Run: 1 Time: 20.05 – success

3. Race: GS Level: N BIB#: 144 Run: 1 Time: 1:23 - success

The run was able to display the new record by refreshing the view tab

4. Race: GS Level: A BIB#:45 Run:2 Time:44.4 – fail (as expected)

5. Race: S Level: A BIB#: 556 Run: 1 Time: DNF - success

Race: S Level: A BIB#: 556 Run: 2 Time: 1:05 – fail (as expected)

6. Race: S Level: N BIB#: 140 Run: 1 Time: 23 – fail (as expected)

7. Race: S Level: N BIB#: 140 Run: 2 Time: 32 – fail (as expected)

8. Submitting forms without data in it – fail (as expected)

All of the data that succeeded is viewable on the app

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| Test Case | Directions | What the app did | Is this correct? |
| Test Case 1 | Insert the following  Race: S Level: N BIB#: 140 Run: 1 Time: 27:45.03 | It inserted the data into the database | yes |
| Test Case 2 | Insert the following  Race: S Level: N BIB#: 140 Run: 2 Time: 45.03 | Data was put into database | yes |
| Test Case 3 | Open view results in new tab, enter the data: Race: GS Level: N BIB#: 144 Run: 1 Time: 1:23  Refresh the view results page | When the page was refreshed, the newly inserted data showed up | yes |
| Test Case 4 | Insert the following:  Race: GS Level: A BIB#:45 Run:2 Time:44.4 | An error shows up saying that it can’t enter the value because there is no run 1 time | Yes, they have to do a run 1 to be able to have a run 2 time |
| Test Case 5  Step 1 | Insert the following:  Race: S Level: A BIB#: 556 Run: 1 Time: DNF | Data is put into database | yes |
| Step 2 | Insert the following:  Race: S Level: A BIB#: 556 Run: 2 Time: 1:05 | An error pops up and tells user that they can’t submit a run 2 time when the run 1 was a DNF. | Yes, if someone gets a DNF on their first run, they are disqualified |
| Test Case 6 | Insert the following: Race: S Level: N BIB#: 140 Run: 1 Time: 23 | The app will tell the user that they can’t submit the data because there is already a run 1 time | Yes, we don’t want just anyone to be able to overwrite run times |
| Test Case 7 | Insert the following: Race: S Level: N BIB#: 140 Run: 2 Time: 32 | App tells user the data couldn’t be submitted because a run 2 time was already entered | Yes, we don’t want just anyone to be able to overwrite run times |
| Test Case 8 | Submit a form without entering any data | App doesn’t let you submit a form without any data | Yes |