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| **Test Number** | **Description** | **What Should Happen** | **What Happened** | **Comments** |
| 1 | Startup menu | Menu Should appear when startup | menu doesn’t appear | Forgot to add menu.start code – now added and All good |
| 2 | ‘’ | ‘’ | Menu appears | All Good |
| 3 | Add Competitor | When input 1 in menu it should start asking for competitor details | Asks for competitor number | All Good – asks for details until all details inputted |
| 4 | Competitor number – less than 100 | When user inputs number and is less than 100 should come back with error | Error appears when number is <100 | Comes back with “Error: Competitor number must be between 100 and 999.” |
| 5 | Competitor number – more than 999 | When user inputs number and is more than 999 should come back with error | Error appears when the number is >999 | Comes back with “Error: Competitor number must be between 100 and 999.” |
| 6 | After competitor number is added should go to next part | When user inputs the competitor number and click enter should move on to competitor name | Now asks for competitor name | All good – no fixes needed |
| 7 | After name is added should go to next part | When a user inputs name and clicks enter should move on to age | Now it asks for age | All good |
| 8 | Age should be more than 0 | When asks for age and number > 0 is inputted should come up with error | Error appeared when -98 is inputted | Error says “Error: Age must be greater than zero.” |
| 9 | After competitor age is added should go to next part | After user inputs number and clicks enter should ask for hometown | Now asks for hometown | All good – nothing needed fixing |
| 10 | After home town is added should go to next part | After user inputs home town and clicks enter should go on to the event number | when hometown was inputted and enter was clicked went on to event number | All good |
| 11 | Event number shouldn’t be less than 1 | When user inputs number less than 1 should return with error | -27 was inputted and error was returned | Error returns “Error: Event number must be 1-100.” |
| 12 | Event number shouldn’t be more than 100 | When user inputs number more than 100 should return with error | 975 was inputted and error was returned | Error returns “Error: Event number must be 1-100.” |
| 13 | After event number is inputted should go to next part | When user inputs event number and clicks enter should go to venue name | Event number was inputted and enter was clicked. Moved on to Venue name | All good – nothing to be fixed |
| 14 | Venue name should not be left empty | When venue name field is left empty should return with error | Error returned when nothing entered | Error returns “Venue name must not be empty.” |
| 15 | After venue name is inputted should go to next part | After venue name is inputted and enter is clicked should go to event date | Now asks for the event date and time | All good – nothing needed fixed |
| 16 | After event date and time is inputted should go on to next part | After user inputs date and time and clicks enter should go to event record time | Asks for event record time | All good – nothing needed fixed |
| 17 | Event record time should be numbers instead of letters | When letters are inputted instead of numbers, should return with error | Returns with error when letters are inputted | Error say “Error: Input string was not in a correct format.” |
| 18 | When user inputs record time in seconds should move on to next part | When user inputs record time in second and clicks enter moves on to distance | Moved on to distance when number is inputted | All good – nothing needing fixed |
| 19 | If distance inputted is not numbers should return with error | When asked for the distance and distance is not a number, should return with a error | Returned with error when letters are inputted instead | Returned error “Error: Input string was not in a correct format.” |
| 20 | If distance inputted is less than 50 should return with error | When user inputs number less than 50 should return with error | Didn’t return with error | Needed to change > to < |
| 21 | ‘’ | ‘’ | Returned with error | Code fixed – All Good |
| 22 | If distance inputted is more than 1500 should return with error | If user inputs number more than 1500 should come back with | Returned with error after number higher than 1500 was inputted | Error returned “Distance must be between 50 and 1500.” |
| 23 | When correct input is added should go to next part | When user inputs number and clicks enter should go to winning time | Number was inputted and after enter was clicked now asks for winning time | All good – nothing to fix |
| 24 | Winning time number should return with error if less than or equal to 0 | When user inputs number which is equal or below 0 should return error | -43 was inputted and error was returned | Error returned “Error: Winning time must be a positive number.” |
| 25 | When user inputs correct number it should go to next part | When user inputs number and clicks enter should go to position placed | When input is correct and enter is clicked goes to | All good – nothing to fix |
| 26 | When user inputs number < 1 for position placed | When user inputs number which is below 1 should return with an error | Number which was below 1 was inputted and error was returned | Error returned “position placed must be between 1 and 8.” |
| 27 | When user inputs number > 8 for position placed | When user inputs number which is above 8 should return with an error | Number which was above 8 was inputted and error was returned | Error returned “position placed must be between 1 and 8.” |
| 28 | When user inputs position placed should go to next part | When user inputs number and clicks enter should go to race time | When input is correct and enter is clicked goes to race time | All good – nothing to fix |
| 29 | Input for race time shouldn’t be below 0 | When user inputs number which is below 0 should return with an error | Number below 0 was inputted and error was returned | Error returned “Race time must be a positive number.” |
| 30 | When user inputs race time in second should go to next part | When user inputs number and clicks enter should go to most recent win location | When input is correct and enter is clicked goes to recent win location | All good – nothing to fix |
| 31 | When user inputs most recent win location should go to next part | When user inputs most recent win location and clicks enter should go to career wins | When input is correct and enter is clicked goes to career wins | All good – nothing to fix |
| 32 | Input for career wins shouldn’t be below 0 | When user inputs number below 0 should return with error | Error was returned after number below 0 was inputted | Error returned “Career wins must be 0 or greater.” |
| 33 | After user inputs number for career wins should go to next part | When user inputs number and clicks enter should go to medals won | When input is correct and enter is clicked goes to medals won | All good – nothing to fix |
| 34 | After user inputs medals won should go to next part | When user inputs medals won and clicks enter should go to personal best | When input is correct and enter is clicked goes to personal best | All good – nothing to fix |
| 35 | Personal best time shouldn’t be below 0 | When user inputs medals won and clicks enter should go to personal best | When input is correct and enter is clicked goes to personal best | Error returned “Personal best must be a positive number.” |
| 36 | After user has input personal best time should finish adding competitor. | After the user has inputted personal best time and clicked enter, should finish adding competitor | Added competitor to list | Used view all competitors and new competitor showed up |
| 37 | Remove competitor | Should ask for competitor number and remove that competitor | Didn’t remove the competitor | Typo in void RemoveCompetitor() in Competition.cs |
| 38 | ‘’ | ‘’ | Removes the competitor now | Fixed typo in Competition.cs – All Good, nothing to fix |
| 39 | View competitors | When user clicks 3 and clicks enter should show all competitors if there is any | Shows competitor list with all details | Only shows competitors if added or if loaded from file |
| 40 | View qualifiers | If there are any competitors who have placed in the top 3 should show in qualifiers | Didn’t show any qualifiers | Realized typo in ProgramMenu.cs |
| 41 | ‘’ | ‘’ | Shows qualifiers now | Needed an extra = in ProgramMenu.cs code for ViewQualifiers |
| 42 | View qualifiers – no qualifiers | If no qualifiers should return with “no qualifiers” | Didn’t return “no qualifiers” | Still had competitors added |
| 43 | ‘’ | ‘’ | Now returns “no qualifiers” | Need to remove any qualifiers first |
| 44 | View winners | When view winners is chosen from menu, it should ask for a minimum number of career wins. If competitors have a lower number of wins than number inputted, it shouldn’t show them | Number inputted and any competitors with a lower number of wins wasn’t shown | All good – Nothing to fix |
| 45 | Sort by age | When sort by age is chosen from the menu, it should print all competitors and sort them starting from youngest first to oldest last | Didn’t show them sorted | Need to make it print after it has sorted |
| 46 | ‘’ | ‘’ | Sorts all competitors and Prints sorted results | Needed to add print method so that it prints afterwards |
| 47 | Save to file | When save to file is chosen from the menu should save to file in Downloads folder | File saves to Downloads folder | All good – nothing needing fixed. Checked Downloads folder and file is there |
| 48 | Load from file | When Load from file is chosen from menu, should ask what the path to the file is. The user should input the full path for it to work (e.g. – C:\Users\Aiden\Downloads\file name) | When user inputs file path it adds the competitors and says competitor added | All good – nothing needing fixed. Used View all competitors to make sure they were added |
| 49 | exit | When exit is chosen from menu, should exit the code | Exits the code when exit is chosen | All good – nothing to fix |