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| **Test NO.** | **Description** | **Expected Result** | **Actual Result** | **feedback** | **Improvements** |
| 1 | Start-up Screen | The code is run, and then code should bring a GUI with start-screen and instructions displayed for the user. Buttons to start and quit the game should also appear. | When the code was run the code was compiled and returned with a ‘USABLE’ GUI with the instructions to guide the user, also the buttons appeared and can be used by following the instructions. | N/A | N/A |
| 2 | Play button | Clicking the button should take it to the main screen where now the user will follow the on-screen texts to interact with the game | Button pressed and taken to the main screen and able to enter texts into the texts box | Texts font and colour seems hard to see as it is too small, need to increase the font size or change the font style and font colour. | Texts font changed from aerial to times and size changed from 10-14 and now able to see the text displayed on the screen clearly. |
| 3 | User input for car model with colours, where red = BMW, Green = Vauxhall, Blue = Landover and Pink = Lexus | Textbox accepts all four inputs and upper case or lowercase will input does not matter. If Inputs other than allowed entered should generate type error. | Textbox accepted all four inputs and upper case or lowercase will input did not matter. BMW inputted and type error came with a message error. | Change the error message to something appropriate for the first-time users. | Error changed to please enter the colour type matching car model type. |
| 4 | User input for co-ordinates | User input the co-ordinates of map to search from. The map displayed on the screen and looking that user can enter co-ordinates to search from a specific country. | Entered ‘E’ for East and started from east side of the map. | N/A | N/A |
| 5 | User input for how many number of car models to find | Users should be able to search for items for more than 14 car models. | Users should be able to search for items for more than 14 car models. | Feedback received were vague and not enough time to do improvements. | Feedback received were vague and not enough time to do improvements. |
| 6 | User input for how long the user should wait for the search | No more than 60 minutes should be accepted as it is too large for user and for the code. | 180 minutes were accepted as well as the short minutes such as a minute. | Reduce the time allowed to 60 minutes max. | Program made to accept no more than 40 minutes as a group we thought it was more than enough time. |
| 7 | Robot’s movement visibility | Robot’s movement must be displayed on the screen. | Robot’s movement were clearly displayed on the screen with white smoke left by the robot behind it. | N/A | N/A |