User Stories & Acceptance Tests

1. User should be able to search procedure by name and get a list of all the hospitals where the procedure searched is practiced.
   1. Searched keyword should match the results.
   2. Misspelling should be accepted and provide results similar to the search term.
   3. Full caps and lower-case text should be input to test the query still returns the correct results.
2. User should be able to search by inputting the procedure code.
   1. This should be tested via searching a procedure and comparing the correct code from the dataset to the results displayed from the search.
3. User should be able to change the sort by "distance" this will show the closest hospital first in the list and furthest last in the list and vice versa.
   1. Test that when sorting by distance that the listings closest to the top are physically the closest distance from the input location/zip code
   2. Test that listings on bigger page numbers show hospitals further in distance away.
4. User should be able to change the sort by "price" i.e low to high and vice versa.
   1. This will be tested via checking the hospital listings are in the order corresponding to that which is selected i.e ASC or DSC.
5. User should be able to change the sort by "rating" which sorts the hospitals from best to worst.
   1. Hospitals with higher ratings should be displayed closer to the top and worse rated hospitals should be at the end of the results on the higher pages.
6. User should be able to view the hospital locations on a map.
   1. This can be tested by searching for a procedure and clicking the drop-down button on one of the results.
7. User should be able to filter results based on price range.
   1. Check that all results are within the price range that was specified by the user
8. User should be able to filter results based on distance.
   1. The results displayed after searching should show the distance from smallest to largest next to the listing.
   2. On the map the closer hospitals should be displayed first.
9. User with account should be able to leave review.
   1. Test by logging into a user account and clicking the leave review button on one of the procedure listings.
10. Users should be able to input their location.
    1. This should be a 6-digit US zip code so must write a test to check the length of the number
    2. Write a test to make sure that only numbers are used – so no letters and other characters
    3. Test to make sure that the zip code exists
11. User should be able to access the web application from a mobile phone with a responsive design.
    1. Test that all features of the application are available and are easy to use
    2. Test multiple mobile phones to check that users have the same experience
12. User must be able to adjust size and contrast of text on the page.
    1. Test that the font size increases/decreases when the corresponding button is pressed
    2. Test that the contrast of the text and the background is increased/decreased when the corresponding button is pressed
    3. Make sure that the design of the web page is not compromised when changing font size e.g. text spilling over into other elements, thus overlapping and making it hard to read
13. Users who are colour-blind/blind should have the option for text-to-speech or colour-filters.
    1. Test that text is correctly read out matching that which is displayed on the screen.
    2. Check that the colour of text or objects on the page change to the corresponding colour which allows colour-blind people to read it.
14. Users should have the option to create an account.
    1. Try to register for a new account and login to it in order to test.
    2. Enter an already existing account name to make sure that name cannot be used
15. User should have option to store their search criteria.
    1. In order to test, login to user account and change the saved search criteria before proceeding to do a search. The search should match the criteria specified on the user account.
16. The admin should be able to login to the website
    1. Correct username and password should result in successful login
    2. Incorrect username or password should result in unsuccessful login
17. The admin should be able to login to have permission to add new data to existing records. For example, add new hospital details.
    1. Admin should be able to add new listing for a procedure/hospital which is successfully accepted into the database and displays when searched on the website.
18. The admin should be able to login to have permission to update data of existing hospitals.
    1. An admin account should try to update various fields of the database and they should be refreshed and checked on the website to confirm they have been updated.
19. The admin should be able to login to have permission to delete data of existing hospitals.
    1. This will be tested by having an admin account remove a listing from the database and then refreshing the website to view the listing has been successfully removed.
20. The admin should be able to import an excel file to bulk add/update data in the database.
    1. This will be tested by having an excel file with the individual columns being uploaded. Then a query will be done to confirm that all the data has been inserted to the correct place.