User Stories & Acceptance Tests

1. As a user I want to be able to search procedure by name, so I can quickly get a list of all the hospitals that perform the procedure.
   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. As a user I want to be able to search by inputting the procedure code, so I can get the exact procedures shown in the results.
   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. As a user I want to be able to sort by "distance", so I can see the closest hospital to my location that’s able to do the procedure.
   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. As a user I want to be able to sort by "price" i.e low to high and vice versa, so that I can find the cheapest procedure.
   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. As a user I want to be able to sort by "rating" which sorts the hospitals from best to worst, so that I can see feedback of others who have had the procedure at each hospital.
   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. As a user I want to be able to view the hospital locations on a map, so I can visualize where the various hospitals are in relation to my location.
   1. This can be tested by searching for a procedure and clicking the drop-down button on one of the results.
7. As a user I want to be able to filter results based on price range, so that the operation is within my budget/insurance plan.
   1. Check that all results are within the price range that was specified by the user
8. As a user I want to be able to filter results based on distance, so I only see relevant hospitals within the maximum distance I’m willing to travel.
   1. The results displayed after searching should show the distance from smallest to largest next to the listing.
   2. A circle should be displayed to show all the hospitals within my maximum range.
9. As a user I want to be able to leave a review, so I can help other people with their decision.
   1. Test by logging into a user account and clicking the leave review button on one of the procedure listings.
10. As a user I want to be able to input my location, so I can see the closest hospital to my location that’s able to do the procedure.
    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. As a user I want to be able to access the web application from a mobile phone, so I can view results while out and about.
    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. As a user I want to be able to adjust size and contrast of text on the page, so I can easily read the content of the page with my bad eyesite.
    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. As a colour-blind user I want to be able use colour-filters, so I can correctly see things on the webpage. i.e map pointers and buttons.
    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. As a user I want to be able to have the option to create an account, so I can leave a review on the procedure.
    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. As a user I want to be able to have the option to store my search criteria, so I don’t have to re-enter the same 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. As an admin I want to be able to add data of existing hospitals, so that I can add new procedures/hospitals to the database.
    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.
17. As an admin I want to be able to update data of existing hospitals, so that I can keep the data up to date.
    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.
18. As an admin I want to be able to delete data of existing hospitals, so that I can remove any obsolete procedures.
    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.
19. As an admin I want to be able to import a file, so that I can save time populating 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.