

The MoveNet database is an electronic medical record (EMR) it is a digital version of a paper chart that contains all of a patient's medical history. This EMR will be used by the **Movement Disorder Services Team** who specialize in treating people with **Parkinson's disease (PD)** at James Cook University Hospital.

Legal Social and Ethical

As the data that I will be using as sample data for the system is fictional there will be no risk of breaking the data protection act in terms of breach of personal data from real clients. Another area that I looked further into was that of breaching the copyright designs and patents act, the images that I use will be mentioned and fully referenced within the final document.

- Ongoing research on NHS acceptance of EMR's as it may be necessary to get accredited by a third party.
- There are some obvious ethical issues concerning Dr/Patient private interviews, and patient data although in this case all data to be used in our prototype will be "Dummy Data".

Professional skills related to employment

Study Objectives

My time at Teesside University has allowed me to improve my understanding of programming languages and scripting languages such as PHP, JavaScript, jQuery and the development of Hybrid Applications built and then compiled with Phone gap all of which can run alongside CSS3 and HTML5 which are cutting edge technologies allowing me to implement my project in a very professional and up to date manner.

I have a keen interest in hybrid development and would like to pursue this technology further.

Data Modelling is a must for me and my interests and I intend to further develop my skills in that area as there is a great need for DBA's within this industry.

References

Ang, L. and Taylor, B. 2005 'Managing customer profitability using portfolio matrices', *Journal of Database Marketing and Customer Strategy Management* 12(5), pp. 298-304.

Bandemer, H. (1987). 'From fuzzy data to functional relationships', *Mathematical Modelling*, 9(6), pp.419-426.

Database answers home page (2015) Available at: <http://databaseanswers.org> (Accessed: 26 November 2015).

Hadlock, K. (2007) *Ajax for web application developers*. San Jose: Sams Publishing.

Kaur, K. and Rani, R. (2015) '*Managing data in healthcare information systems: Many models, One solution*', *Computer*, 48(3), pp. 52–59. doi: 10.1109/mc.2015.77.

Legal and ethical issues in web design (2012) Available at: <https://paulstevensdesign.wordpress.com/2012/01/02/legal-and-ethical-issues-in-web-design> (Accessed: 2 December 2015).

Letskowski, Jerzy, 2012. 'Doing database design with MySQL', ISSN: 2327-5359, *Journal of technology research*, Date: 01.01.2015, Volume: Page: 1.

Movement disorder team (no date) Available at: <http://walkerdesigns.ca/NHS/index.htm> (Accessed: 2 December 2015).

Naumann, Felix *Journal of Data and Information Quality (JDIQ)*. ACM New York, NY, USA, Volume 6 Issue 2-3, July 2015, ISSN: 1936-1955 EISSN: 1936-1963.

Images

Foundation, j. (2015) *jQuery*. Available at: <https://jquery.com/> (Accessed: 12 November 2015).

JSON (no date) Available at: <http://www.json.org/> (Accessed: 22 November 2015).

MySQL (no date) Available at: <https://www.mysql.com/> (Accessed: 4 November 2015).

Parkinson's UK - Homepage (2015) Available at: <http://www.parkinsons.org.uk/> (Accessed: 17 November 2015).

University alliance | Britain's universities for cities and regions (2015) Available at: <http://www.unialliance.ac.uk/> (Accessed: 27 October 2015).