Introduction to Databases

Homework 3

Handed out:Monday, October 31, 2005Due back:Wednesday, November 16, 2005 (at the start of class)Notes:To be done individually

- Textbook exercise 5.2.1b-e,g,i,k Your final answer should be formal functional notation. You might find it helpful to work out expression trees first, however.
- 2. Textbook exercise 5.2.8
- 3. Textbook exercise 5.2.9
- 4. Textbook exercise 5.3.3
- 5. Textbook exercise 5.3.4c,f,g
- 6. Textbook exercise 5.4.1h,j,l
- 7. Textbook exercise 5.4.2d,e
- 8. Textbook exercise 5.5.1b,c
- 9. Textbook exercise 5.5.4

Extra Credit: Define an XML DTD for microblog messages. The DTD must capture the notion of nesting of messages.

Extra Credit: Write XPATH queries to select all messages that reply to a given message, and to select messages written by a particular user.

Extra Credit: Write an XSLT transform to convert microblog messages into XHTML.