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Department of Computing Science

Object-Oriented Programming Methodology 7.5 p
5DV133

OU3 Sensor Network

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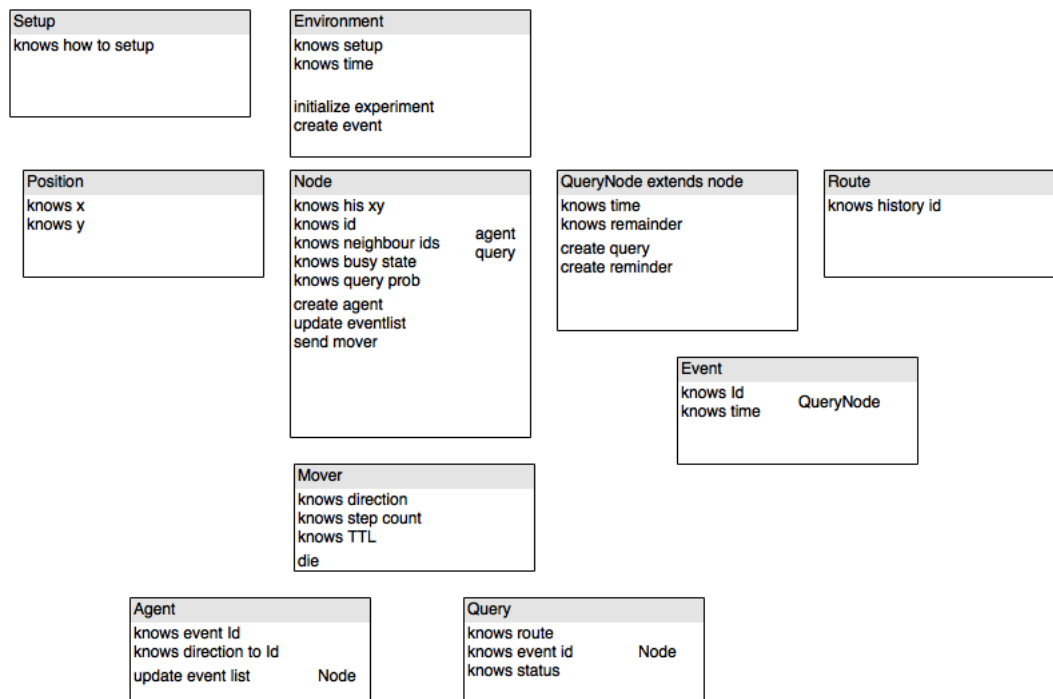


Figure 1: This is the crc diagram

1 Introduction

The assignment was described on the course homepage [4]. *Unified Modelling Language (UML)* and *Class Responsibility Collaborator (CRC)* diagrams were composed according to Börstler [2]. The theory of rumour routing is described by Braginsky [1]. Horstman was used as Java language reference [3].

2 Classes Responsibilities and Collaborations

3 Unified Modelling Language Class Diagram

4 Initialization and State Stepping

5 Testing Framework

References

- [1] D. Braginsky and D. Estrin. Rumor routing algorithm for sensor networks. In *Proceedings of the 1st ACM international workshop on Wireless sensor networks and applications*, pages 22–31. ACM, 2002.
- [2] Jürgen Börstler. Object-oriented analysis and design through scenario role-play. http://www8.cs.umu.se/kurser/5DV081/CRC_UMINF04.04.pdf, Umeå University, Department of Computing Science, Umeå, Sweden, 2004. accessed: 2016-04-24.
- [3] C. S. Horstman. *BIG JAVA Early Objects*. John Wiley & Sons, New Dehli, 5 edition, 2014.

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- [4] Umeå University, 5dv133 obligatorisk uppgift 3. <http://www8.cs.umu.se/kurser/5DV133/VT16/uppgifter/ou3/>, 2016. accessed: 2016-04-28.