Umeå University
Department of Computing Science

Object-Oriented Programming Methodology 7.5 p
5DV133

OU3 Sensor Network

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Authors:
Johan Eklund (`kv03jed@cs.umu.se`)
Tommie Lindberg (`c15tlg@cs.umu.se`)
Jakob Lundin (`c14jln@cs.umu.se`)
Lorenz Gerber (`dv15lgr@cs.umu.se`, `lozger03@student.umu.se`)

Instructors:
Anders Broberg
Niklas Fries
Adam Dahlgren
Jonathan Westin
Erik Moström
Alexander Sutherland

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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 algorthim 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. Objet-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.

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