

Title: Web Reader and Article Library

Author: Adam Juraszek

Department: Department of Software Engineering

Supervisor: RNDr. Martin Svoboda, Department of Software Engineering

Abstract: The aim of this thesis is to design and implement a reader web application, which can watch article sources on the Internet using RSS and Atom feeds. The difference from similar applications is in integration of other services and options: watching websites that do not provide news feeds, backing up web pages, saving articles into user-managed library and a source recommendation system. The application is programmed in Java and consists of three parts: the server part developed on Google AppEngine, the client part using GWT framework and an optional cross-browser extension. The Web reader is designed to work with large amounts of data and can be easily extended. The thesis also contains an analysis of the characteristics of available readers and various recommendation systems.

Keywords: web application, RSS reader, AppEngine, GWT