

Middle East Technical University



Department of Computer Engineering



'A Unified News Exchange Server'

Weekly Report #3

Goncagül DEMİRDİZEN

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Ferhat ŞAHİNKAYA

"NewsAgent"

by

i\$T€ Yazılım
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Ali Anıl Sınacı:

This week, I have investigated the “cron” functionalities. I have found some open source tools to automatically run the requested operations. For example the archiving operations will be handled in the most less crowded day times regarding our server. It will possibly be the hours in the early morning. Also our mailing module in the newsagent core will deliver the e-mails to the users which has subscribed with “daily digest” option in daily basis. I have investigated the implementation of James NNTP module regarding the web services integration. I have filtered out the required classes for newsagent NNTP module implementation. I’m still working on the coding structure of James. Next week, I am planning to come up with more concrete scenarios for NNTP module. I am planning to implement the login operations and “LIST” and “GET” commands of NNTP standard.

Goncagül Demirdizen:

This week, I have mainly studied on my own work package and focused on the RSS module. I have implemented RSS feed operations which include creating an RSS feed (an XML file) for every newsgroup and updating this feed according to the article posts, updates and deleting items as a result of archiving mechanism. On the other hand, all team members have revised the NewsAgent core and applied unit testing to the operations we implemented. Next week, I will study on security issues and authentication. Moreover, I will also implement Atom feed operations which are similar to RSS feed operations.

Hilal Karaman:

This week, I have studied on mail module and implemented mail generator part of the NewsAgent. For the newsgroup articles, I have implemented instant mailing, daily digest and weekly digest mailing options for the users who set their mail receiving options accordingly. Moreover, I have also worked on database layer testing and established an SMTP server in order to receive e-mails. Next week, I will implement NewsAgent mail receiving mechanism. It will consist of receiving the e-mail from the senders, validating the user registration, confirmation and converting it to an article for the specified

newsgroup.

Ferhat Şahinkaya:

This week, I have continued working on our web module. From now on, users can login to the NewsAgent system and the user group of the user can be identified. I have also implemented an admin interface for administrators to be able to manage user and newsgroup information. In fact, for now, I have implemented some functionality for these management options for administrators by invoking related web services. For next week, I am planning to add more functionality to administrators' pages and implement all administrator related pages as much as possible.