

**Middle East Technical University**



**Department of Computer Engineering**



*'A Unified News Exchange Server'*

Weekly Report #4

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 studied on the implementation of Atom module. I have implemented Atom feed operations which include creating an Atom 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, I have studied on security and SSL. Since we will use Apache Tomcat as the standalone web server, we will make configurations in order to adjust the SSL support. Next week, I will continue to study on security issues and authentication for RSS and Atom feeds.

**Hilal Karaman:**

This week, I have arranged the configurations on the mail module and prepared the last version of mail generator part. Moreover, I have also studied on the receiving e-mail part and worked on the implementation of listening the SMTP server for incoming mails in order to parse and convert them to article. Next week, I am planning to complete receiving e-mail mechanism of NewsAgent and begin to study on the implementation of web module especially on article operations that is related to mail module.

**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.