

# An Intelligent Email Sorter Extension for Thunderbird



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# Issues

- E-mail management : Everyday task with a lot of email items
- E-mail : Small database with sender, date, text, ...
- E-mail items → sorting : time and money
- Automatic Induction → User

# Preview

User Command

The screenshot shows an email client interface with a menu bar (File, Edit, Learn, Help) and a toolbar containing buttons for Archive, MoveTo, Next, New, Reply, Forward, Delete, and Learn. A list of folders is on the left, including Inbox, FirstYearTeaching, Friends, Anna, Junk, and Research. The main pane displays a list of email items with their sender addresses and subjects. Annotations include a purple callout for 'User Command' pointing to the toolbar, a green callout for 'Predicted Folder' pointing to the 'Friends' folder, and an orange callout for 'Classified Email items' pointing to the 'Research' folder. A blue callout at the bottom left states 'Folders where email items will be organised'.

Folder	Sender	Subject
Inbox		
FirstYearTeaching		
Friends (correct ~ 100%, missing ~ 71%)	john@freemail.com	Climbing in wednesday
	john@freemail.com	forgot one thing...
	kelly@xtm.com	party
Research (correct ~ 75%, missing ~ 40%)	ryan@uni.edu.au	paper
Unknown	debtridder@freemail.com	We'll save you!

"Research" folder predicted - because sender contains "Ryan".

**Text**

Date : Mon Apr 23 12:54:44 GMT+10:00 2001  
Sender : ryan@uni.edu.au  
Subject : paper  
Checkout these papers:  
approaches to Information Retrieval  
Natural Language processing  
reat if we could meet to discuss these this afternoon.

Predicted Folder

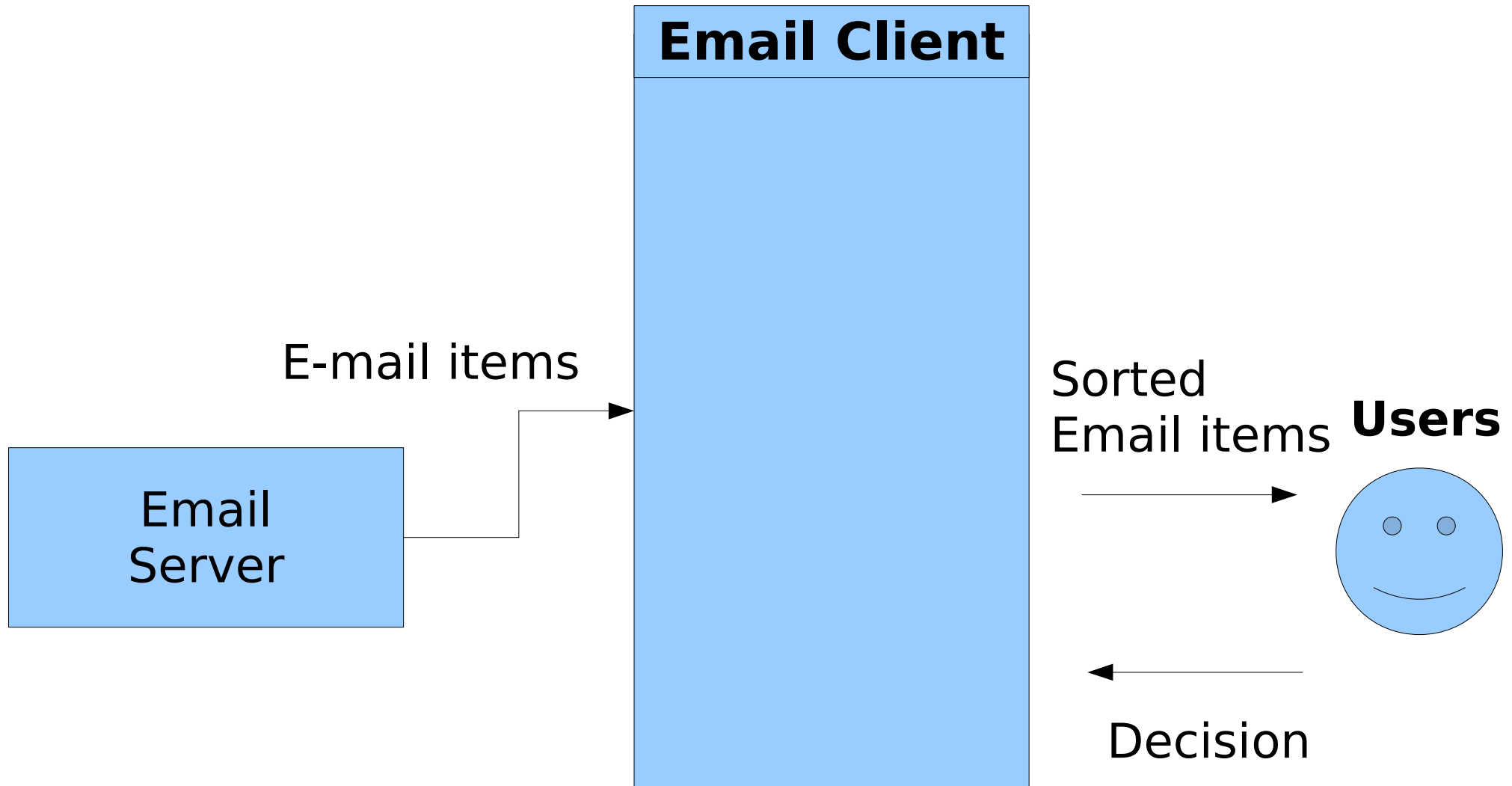
Classified Email items

Folders where email items will be organised

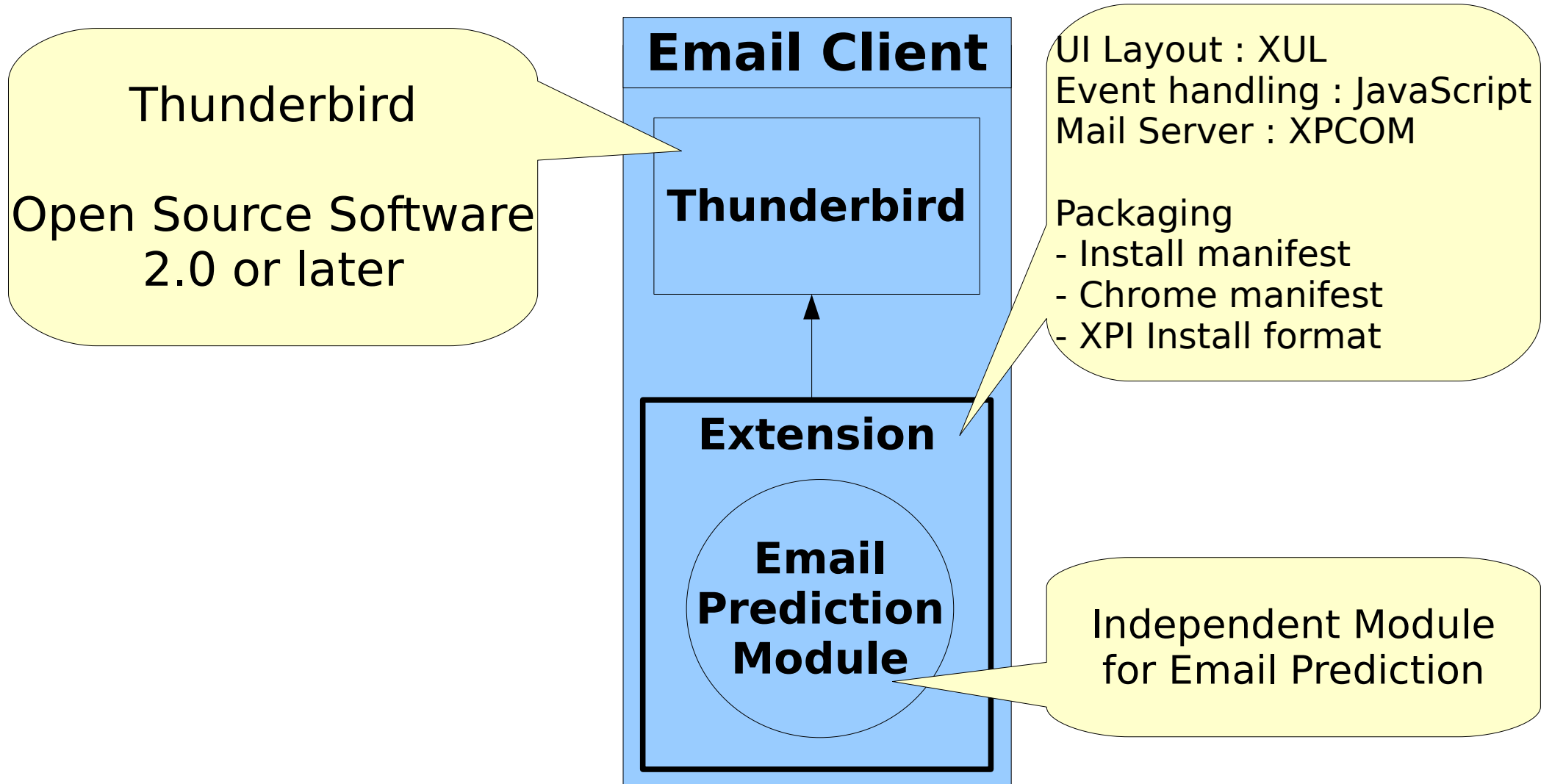
# Key Issues

- Intelligent E-mail sorting
- Restructuring Thunderbird : Extension
- Prediction rules in Email sorting
- Future Research : AI, Smart clustering

# System and Interaction



# Implementation



# Prediction

- Prediction Rules for e-mail sorting :  
sender, date, text, ...
- Predicted Folder for email items
- First matching rule → Folder name
- Unknown if there is no match
- Future research

# Plan / Management

- **Documentation** : 13 weeks
- **Req. Specification** : 2 weeks
- **Background Research** : 5 weeks
- **Requirement Analysis** : 4 weeks
- **Modelling** : 2 weeks
- **Implementation** : 4 weeks
- **Test / Acceptance** : 2 weeks

# References

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# The End

- Thank you very much
- Question and Suggestion