

# IR-BASE: An Integrated Framework for the Research and Teaching of Information Retrieval Technologies

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# Outline

- 1 Introduction – what IR-BASE is
- 2 Who/what IR-BASE is for
- 3 Advantages of IR-BASE
- 4 How to use IR-BASE
- 5 Example Applications
- 6 Present State
- 7 Conclusions and Future Work



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IR-BASE is an architecture for the development of modular components for building IR systems, including:

- Datasets
- Available components pool
- User-developed components
- Guidelines for component development
- Documentation
- Web-site



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Allows a rapid development of prototypes.
- Teachers  
Provides examples for classes and project assignments.
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- Well tested, modifiable, expandable components
- Ability to construct different combinations
- Easy experimentation of new ideas
- Open source development
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# How to use IR-BASE

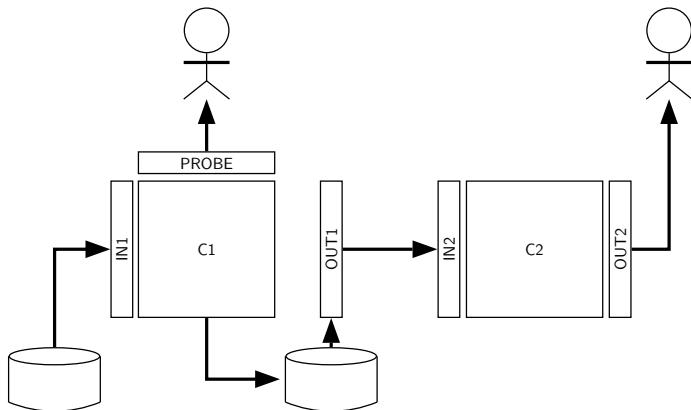


Figure: Example of an IR system built with IR-BASE components.

# Example Applications

- “Webpage Ranker”
  - ① Web crawler
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- “Paper Finder”
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  - Developed by different students
- No web service

Major difficulty: students get jobs, dropout of college, new students only in the following year.



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- Need to boost component development
- Need to increase appeal to students



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