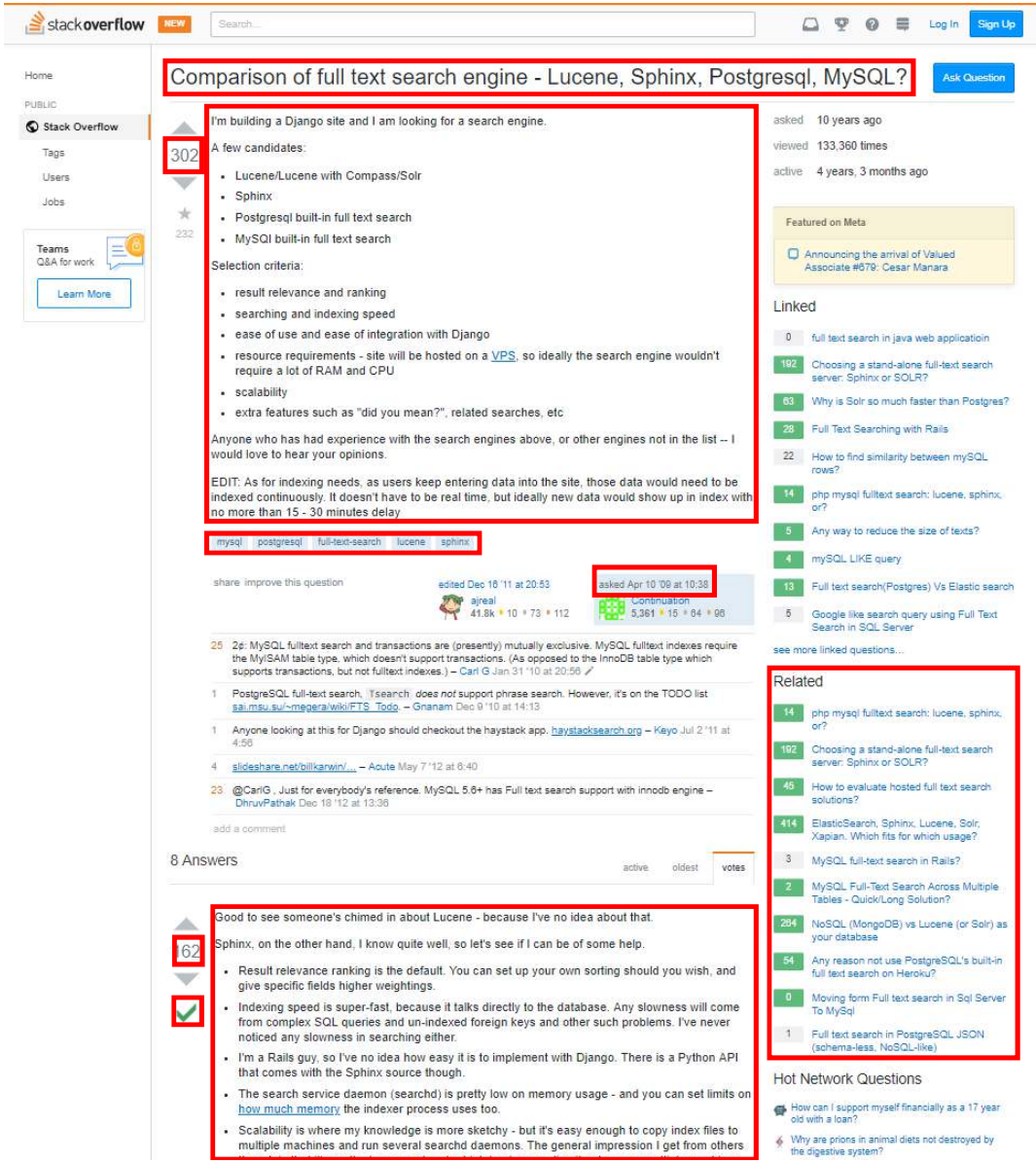
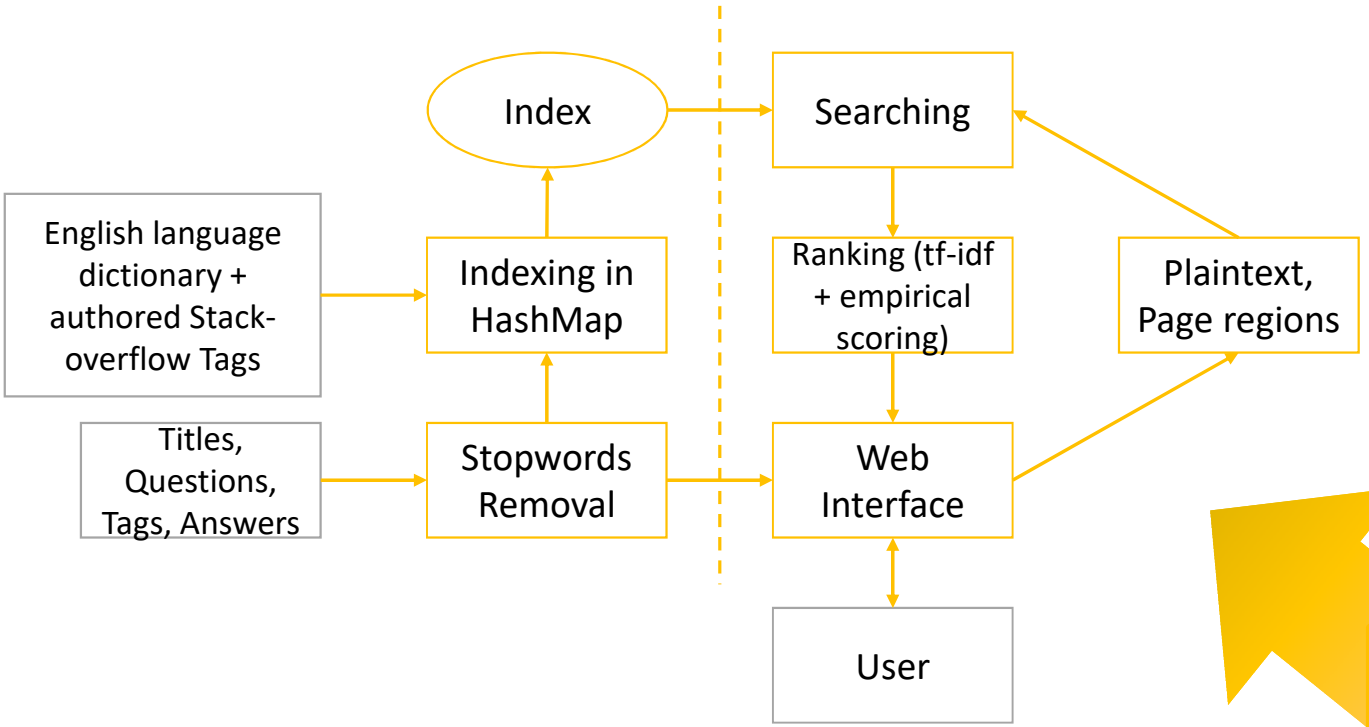
Agenda

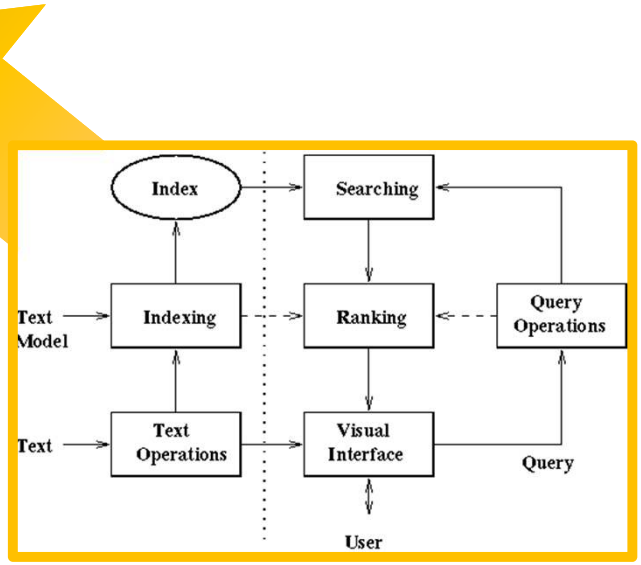
1. User Interface [Kevin]
2. Information Retrieval Process [Pritom]
3. Indexing & Searching [Petros]
4. Ranking Methods [Kevin]
5. Performance & Example Queries [Oliver]
6. Challenges [all]
7. Future Improvements [Oliver]

Input Data Model

1. Title [String]
2. Date [Date]
3. Views [Integer]
4. Tags [String[]]
5. Related Question [String[]]
6. **Question**
    1. Question [String]
    2. Code [String]
    3. Votes [Integer]
7. **Answer**
    1. Answer [String]
    2. Accepted Answer [Boolean]







Modern Information Retrieval © Addison-Wesley-Longman Publishing co.
1999 Ricardo Baeza-Yates, Berthier Ribeiro-Neto

Example User Query Methodology

1. Think of developer's information need and corresponding queries
2. Use Google Search for only Stackoverflow results (one day for calibration)
3. Filter for date range 06/05/2017 to 06/05/2019
4. Cross-validate results with Stackoverflow built-in ElasticSearch results
5. Return ranked top 5 questions

User query text	nginx reverse-proxy
Regional Search	-
Result 1	https://stackoverflow.com/questions/54151 nginx-reverse-proxy
Result 2	https://stackoverflow.com/questions/54038
Result 3	https://stackoverflow.com/questions/54123 for-nextcloud-not-work
Comments	

User query text	java ide
Regional Search	-
Result 1	https://stackoverflow.com/questions/51803 docker-nginx-php7-fpm-and-xdebug