

# **Team 6**

# **Reviewer Finder**

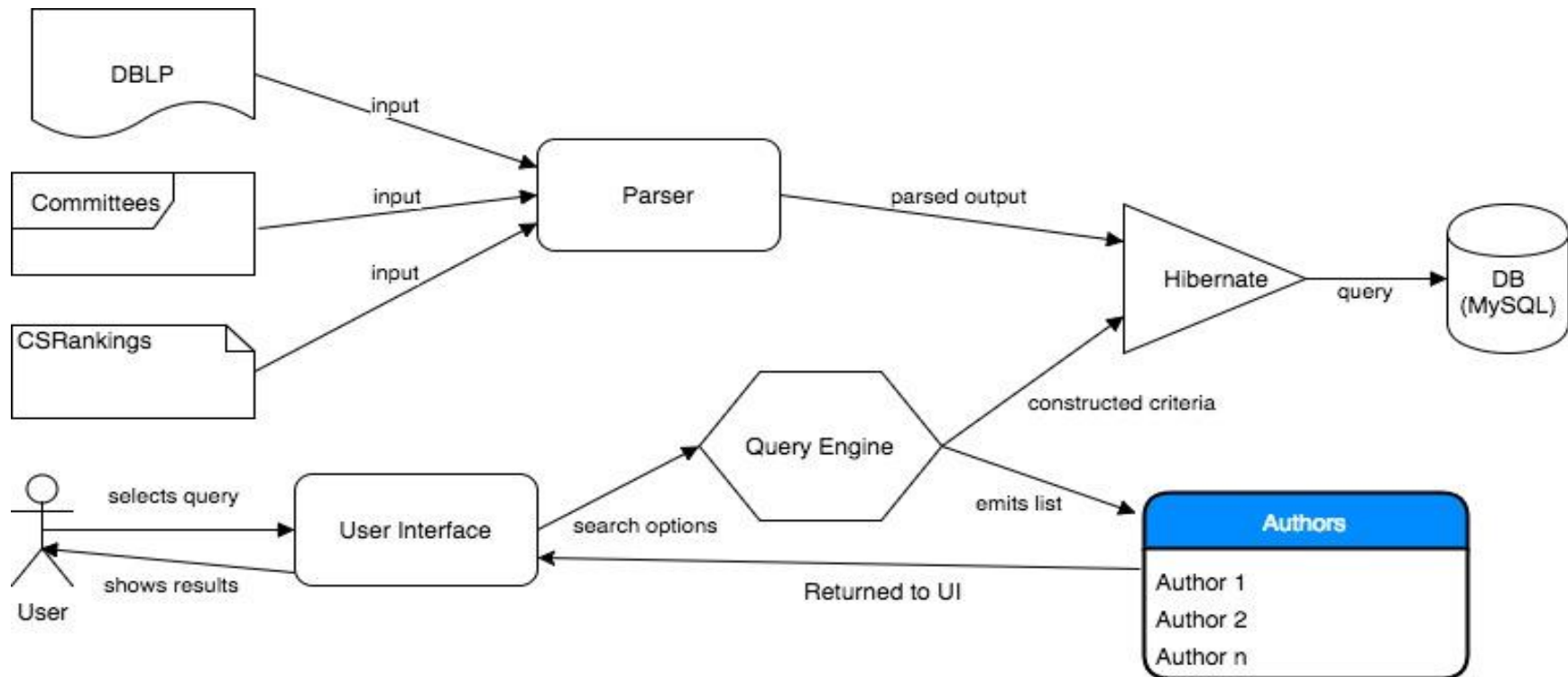
Managing Software Development  
Section 1

# Components

<b>Backend:</b>	<i>Dheeraj Joshi &amp; Liang Tian</i>
<b>Query Engine:</b>	<i>Surekha Jadhvani &amp; Dheeraj Joshi</i>
<b>User Interface:</b>	<i>Kaushik Padmanabhan &amp; Surekha Jadhvani</i>
<b>Infrastructure:</b>	<i>Liang Tian &amp; Kaushik Padmanabhan</i>



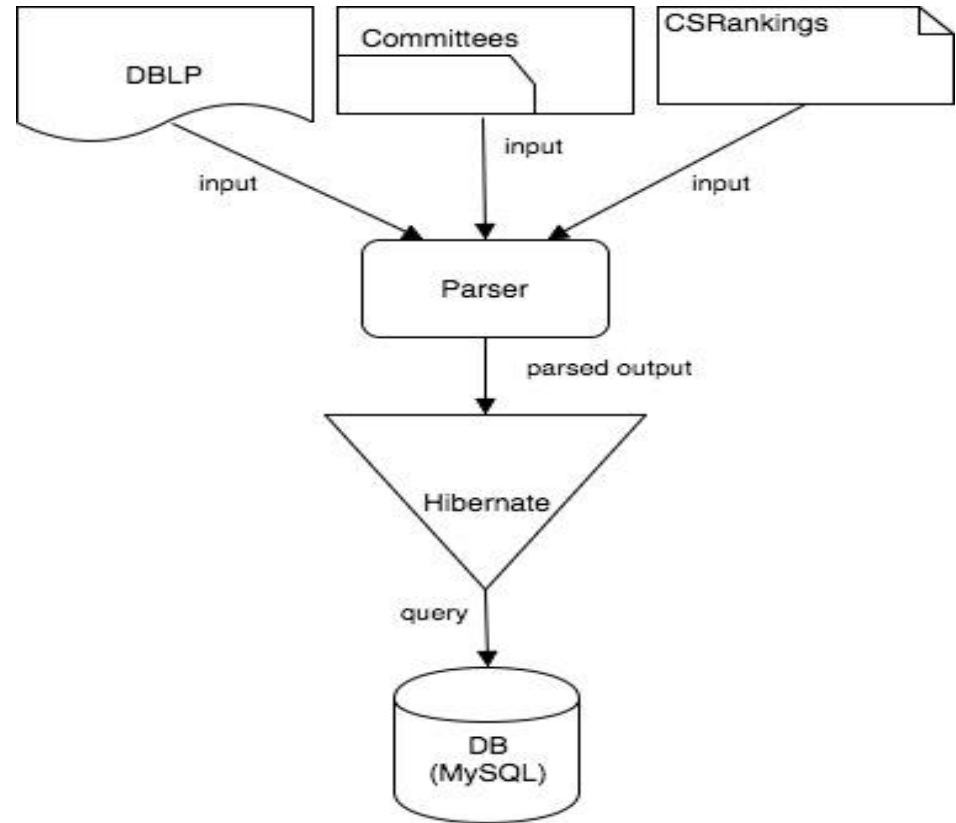
# System Design



## Backend

### *Highlights:*

- DBLP Parser
- Database Population
- Hibernate Integration
- Batch Processing
- CS Rankings Extension



## Query Engine

### ***Highlights:***

- Authors By Conferences
- Authors By Keywords
- Authors By Committee Constraint
- Similar Authors
- Advanced Search
- CS Rankings Extension



## User Interface



### *Highlights:*

- JavaFX
- Login Page - **Text Field**
- Authors Search Page
  - Quick Search Tab - **Radio Buttons and Text Field**
  - Advanced Search Tab - **Check ComboBox, Text Fields, Spinner**
- Search Results Page - **Table View**
- Author Details page - **Labels, Text Area**
- Search Error Notification
- Login Error Notification
  
- TestFx for simulated testing



## Infrastructure

### *Highlights:*

1. Jenkins:
  - SCM triggered build, Daily build
  - Unit test: pass rate, code coverage
  - Checkstyle: Google Java Style
2. Customized Checkstyle checker and Eclipse formatter
3. Jenkins results in Slack channel
4. Git commit-msg hook
5. Remote AWS MySQL used for development



