Project Structure Overview

```
External          →   Project Back-end
Resources                    ↕               Users
                      Project Interface
```

Back-end Organization

```
Search-engine  ←→         Crawler
wrapper                      ↕
              Database      Information
UBL      →                  Extractor
wrapper
```

Interface – Search form

○ Normal Search

Search string: [_____] [Phrase ▼]

[Search by Artist ▼]

[Submit]

○ Get Full Artist List

[Submit]

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Interface – Search results

System Features

- Begin search from any search engine with any query
- Ultimate Band List artist data
- Adaptive Crawling based on Genre data
- Simple but powerful interface

System Limitations

- Crawler not very robust
- Information extraction is hard!
- Cookies are finicky
- "All words" search doesn't work properly
  – MS's fault, not ours