1. The heart of web crawler is `CrawlManager` singleton. It starts, stops, resumes and pauses crawl operations. This singleton owns all found URLs `results` (`SynchronizedResults instance) and `pendingURLs` (`SynchronizedQueue instance)`. These 2 collections contain references to `Occurrence` objects. `Occurrence` class encapsulates URL and its status (`Status` enum) with errors, found occurrences and other information. `pendingURLs` queue is used for BFS crawling. `results` is used for printing out `Occurrences` it contains.

`CrawlManager` manages crawl operations `CrawlOperation`. `CrawlOperation` subclasses NSOperation. `CrawlOperation` encapsulates download and process logic. It is initialized with `Occurrence` instance and manages it afterwards. `CrawlOperation` downloads data from Occurrence.URL, extracts found URLs, adds it to `pendingURLs` and `results`, changes `Occurrence` instance `Status`.

`Settings` singleton contains input data.

The model notifies the ViewController about its changes through NSNotificationCenter.

2. App`s interface is intuitive. Don’t know what to write here ☺