**Service Name:** Boogle

**Members:**

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**Target Customers:**

* Students who do not want to spend a lot of money on new textbooks
* Students who wish to re-sell their used textbooks
* People looking for used books

**Overall Description:** Unified used book search service

**Description:**

Every semester, college students find themselves in need of many new textbooks which are quite costly. The price of new books seem especially high to students because in most cases they will no longer need the textbook when the semester is over. Consequently there is a high demand for cheaper, used textbooks at the start of each semester. The search for used books however is very inconvenient because there are too many platforms to check when searching for the best deal.

Most shoppers do not feel that they are getting the best deal after their first search. After checking out the available products on one website, users navigate to another website, repeat typing the book title in the search engine and compare the price and quality of used books from different websites. What makes the process even more cumbersome is that each platform has a slightly different interface from each other. It seems that there is room for improvement in this redundant and time consuming process.

We hereby present Boogle - a better and more convenient used book search service. Boogle wishes to aid bargain hunters in finding their optimal deal by collecting information from major online used book stores and presenting them on a unified platform. Boogle will also include additional features, such as notification services for when a new entry of a desired book is added, and a standardized book re-sell service. Our objective is to build a service that will provide book shoppers with a better shopping experience.

**Essential Functions:**

* Integrated search interface for used books from various used book store websites, used item trading communities, etc.
* Links to the original website
* Support option to automatically link to the cheapest product upon search
* Platform on which individuals can post their own sales
* E-mail / SMS notification when a desired book is added to stock
* Standardize used book database using ISBN: easier search for buyers, easier registration for sellers

**Demo:**

* Demonstrate two different search processes: one using our service and another without

**Testing:**

* Accuracy test: accuracy of the crawled used book entries.
* Search quality test: test with flawed queries to check whether the search interface can handle faulty requests
* Search latency test: check whether search processes are finished within a reasonable time-period in various circumstances
* Server stress test: gauge how many requests can be processed simultaneously