

Campus Book Marketplace

Group: Colin Gallaway, Christopher Chiang, Jeanmarie Metelus Jr.

1. **Must have a clearly defined and original purpose, must solve a problem, provide a service:**

Students change classes every semester. With those necessary changes come a lot of unwanted/unneeded books. We plan on building a website to facilitate the sharing, selling and renting of these books. We hope to help the students completely bypass online sellers and the bookstore as both options are either overpriced or inconvenient. By doing transactions with others on campus, the students will definitely be able to find the books needed as other students previously took the class. Furthermore, the transactions will occur smoothly as the students can meet on campus to do the exchanges.

2. **Must have an intuitive front end and a well documented back end. (i.e. it must use a database).** - We plan on using several databases which include some of the following: a database for the products, customers, orders and classes. The user interface for the website will be clean and easily browsable; there will be no obvious graphical glitches or wonky elements on the website. The website will also ensure security is in place to prevent any sort of security vulnerabilities from occurring. This includes any sort of SQL injection attack, clickjacking attack, session fixation or cross-site scripting. On the backend, quality will be our number one priority. Our code will have excellent performance, and will also be secure and transaction safe.
3. **Must have a separate ADMIN interface** - Admins will be capable from removing registered users/transactions from a webpage that only will be accessible to those registered as administrators. Ideally we would have a..
4. **Must use an API** - We will use an API; for starters, we will most likely use the Google Maps API to locate the meetup spots. Google Maps will be a very useful feature to users since they can easily figure out where to meet with each other with such a visual aid. TBD on what other APIs we may add.
5. **Must use Javascript/JQuery/PHP/HTML/CSS**, other frameworks and languages are not for this project. - We will only use the aforementioned frameworks/languages.
6. **Must be hosted on cscilab** - We will host the website. Tentative link: <http://cscilab.bc.edu/~metelusj/marketplace/> (currently up).
7. **Must be stored on GITHUB** - We will store on GITHUB. Can be found @: <https://github.com/metjeanjunior/webAppsFinalProject>
8. **Everyone must code:** All programmers promise to submit their own code and commit several times to the github repo.

9. **All commits must be made by authors, no committing a teammates code as your own (AI violation)** - We will only commit our own individual work; this includes any work that was collaborated on with other group members.