Compassion by the Book

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Basic Description: Compassion by the Book is a non-profit organization that facilitates the selling of used college textbooks to help raise money for non-profit charitable organizations. The project before us entails designing a website that communicates across the Half.com server (which is currently used in conjunction with multiple websites for information on the worth of the book) to help volunteers and administrators handle the listing and selling of books to help non-profit organizations. This should eliminate the need to log into multiple sites at the same time. The website should provide the ability for multiple users for different causes.

Requirements:

Functional:

* Set up a database to handle the accounting side of the books->volunteers
* Set up the website so it will ping Half.com
* Make our sell button set things up to sell on half.com
* Look up a book ISBN number based on the title of the book
* Display the condition information of the book from half.com
* Handle whether the book is less than ten dollars (which constitutes a free book)
* Looking up books that have been sold
* Handling the emails on the administrative side
* Account management on the administrative side

Non-functional:

* Expandable for the accounting side
* Written in Ruby on Rails
* Using java for database (on PostgreSql)
* Development is done with nginX
* Well documented code (comments, .README)

Issues:

Technological Risks

* Installing a server
* Postgress server issues
* Issues installing
* Installing the proxy
* If the cloud server crashes

Skill Risks

* Learning Ruby on Rails
* Learning on how to handle a server
* Learning to use SASS/CSS
* Learning how to handle sales tax in each situation