Cole McKinnon, Jonathan Von, Yu Xiu

San Jose State University

Project proposal

Project Overview:

We will be creating a system for San Jose State students to buy and sell used textbooks. Users will be able to buy and sell textbooks to other students using a JS web app. When a student wants to buy a book, they can search through the available postings by book title, author, or course. When the student buyer is interested in a listing, they can communicate to the seller through the app.

If a student wants to sell a textbook, they can do so by creating a new book posting. Creating a new posting will require sellers to fill in a title, author, price, and picture. The book title will be used when buyers are searching for books. Buyers will also be able to search for books based on the courses requiring them.

The backend will primarily be an SQL database that will keep track of postings, namely the textbooks posted by sellers. The database will also be responsible for storing users, sales history, and messages between users.

Features:

* User
  + Search through postings via Name or Course
  + Create a new posting
  + Remove Posting
  + Sign/Login
  + View Previous Postings/Purchases
  + Rate other users after the purchase
  + Messaging Between other users
* Book Courses
  + Name of Book
  + Course of Book
  + Price
  + Photo?
  + Who Posted
  + When Posted
  + Hold Date
  + Purchased Date
  + Cancelled  boolean

System Environment:

* Language used: Node, SQL

Functional Requirement:

* Users:
  + SJSU students
  + Students go to web application
  + Search through postings
  + Create a new posting
  + Remove Posting
  + Sign/Login
  + View Previous Postings/Purchases
  + Rate other users after the purchase
  + Messaging Between other users

Non-Functional issues

1. Security
   1. One poster can not access to another poster’s post
   2. Online transaction is secure