

Software Requirements Specification

(SRS) Document

BookBridge

09/20/2024

Version 1

Jonathan Sao, Ganiyu Ibrahim,Mogoi

Matongo

1. Project General Description

The goal of BookBridge web application is to connect many UNCG students to have access to a variety of textbooks that they are able to find for a cheaper price from other students. The interaction between these students will allow them to be able to sell or exchange books. It will also allow students to be their own sellers and sell or exchange any books that they own.

2. Product Features

BookBridge application is designed where users will have access to many books that other students will be selling or any other available books located at UNCG. Here are some of the key features and functions that define our application.

Search functionality: Our application will provide a handy search feature that will list the subjects and different classes that may have the text books that you are looking for. Doing so would provide them a listing of books that may be available from other students or the UNCG library.

Profile Creations: Being able to customize your profile with the year and major, you'll be able to connect more easily with other students while searching for textbooks. Doing so we offer a easier search interface revolving around your personalized profiles.

Seller Profiles: Becoming a seller you'll be able to gain a seller profile that will make you able to sell or exchange textbooks on BookBridge. Having a seller profile many other students can rate and leave comments based on how well you provide the textbooks.

3. Functional Requirements

- FR0: The app will prompt to user to log on to there accounts to goin access for there books
- FR1: The app will allow users to login as a seller to allow them to place textbooks that correlate with specific courses
- FR1: The app will allow the user to pick which course they are taking for the semester
- FR2: The app will allow user to then pick which course textbooks then need for the specific course they are taking
- FR3: The app will allow the user to swipe through each textbooks that belongs to the course of there choosing
- FR4: The app will begin to highlight the textbooks chosen by the user
- FR5: The app will then begin to take the textbooks chosen by the user to there cart
- FR6: The app will then begin to show the users cart and what books they have inside there cart
- FR7: The app will allow users to place textbooks onto the app
- FR8: The app will flag any outside sources that dont correlate with any courses that are relegated within the school system
- FR9: The app will allow users who have forgotten their account information to reset there accounts by telling them to check there email address
- FR10: All accounts on the app are very well protected so all users privacy is protected and monitored.

- FR11: The app will allow users to reset there password by generating one for them

4. Non-Functional Requirements

- NFR0: A user will be able to access their textbooks in no longer than 5 seconds, once the user begins to choose their course, they will immediately be prompted with the textbooks that correlate with the course
- NFR1: The user will be able to place textbooks in no longer than 5 seconds
- NFR2: The user will be able to access and purchase the textbooks from their cart in less than 10 seconds
- NFR3: Account reset links will be sent out to the user's email in less than 10 seconds
- NFR4: The app will delete and flag any textbooks that are not within the school operating system in less than 5 seconds
- NFR5: A user's password can be generated for them in less than 5 seconds if the user were to forget their password

5. Scenarios

a. Users - Bob

I. Login/BookBridge(View/search available textbooks)

- **Initial Assumption:** The user has access to the web app, is logged in and is on the main page of BookBridge website
- **Normal:** The user will be able to search any textbooks that they are looking for and is presented a listing of textbooks
- **What Can Go Wrong:** The user is having a hard time find the book name or version but there will be a category search functionality to help him find the book in that certain subject.
- **Other Activities:** The user will be able to apply to become a seller and list any books they might want to sell or exchange
- **System State on Completion:** Any books that Bob is interested in buying will be in his cart whenever he is ready to purchase that book.

b. Seller - Sally

II.

- **Initial Assumption:** The user begins to log on to the app, and then begins to be prompted with “log in as a student” or “log in as a

seller”, the user begins to press seller, and logs in with there correct log in information

- **Normal:** Once the user is logged in, they will then be presented with the 2 option for those who are sellers of textbooks on the app
 - ❖ “Select Course” - once clicked by the seller, the seller will then type in which course textbook they have that they want to post on the app
 - ❖ “Name of textbook” - once clicked by the seller, the seller can then type in the name of the textbook
- **What Can Go Wrong:** The book in which the seller wants to post may not be in the schools operating system or is restricted onto the site, this will cause the textbook to immediately be flagged and deleted from the app and will also cause the seller to receive a strike onto there account, restricting them from selling textbooks on to the site
- **Other Activities:** The seller can delete the book that they wanted to add and can take it down at there choosing, they can also put a generated key onto the textbook that they posted so that it is only private for the person they are giving it to
- **System state on Completetion:** Once the seller post a textbook on to the app, and it is then purchased by another user, then they will be provided with a message that there book was bought

C. Admin- Joe

III.

- **Initial Assumption:** The admin will be prompted with an “Admin Login” page and will have access of the entire app database.
- **Normal:** Once the admin logs on to the app, they will be prompted with a list of what has been going on within the app, those things include, the books added to the site, the courses added to the site and the books that were flagged and deleted on the site
- **What Can Go Wrong:** An admin can possibly lose or forget their account information, which can cause them to then be forced to have to obtain a new account
- **Other Activities:** The admin can delete and flag textbooks from users themselves, they can even if necessary take away the right of sellers if there are too many strikes on a seller's account.
- **System state on Completion:** Once an admin's checklist is taken care of, they can log off and be prepared to tackle the best day.