

PROJECT MILESTONE 2

Project Features List

- Create Account / Sign In
 - Students may create accounts on TextBuddy through a registration page. They will have to provide information about themselves, which will be added to a database of users. If they already have an account, they can simply log in.
- Sell Textbooks
 - Users can sell textbooks by posting listings for textbooks that they have but no longer need.
- Buy Textbooks
 - Users will be able to search/buy textbooks and decide which one best suits their needs.
- Payment
 - Utilize Venmo or Paypal for payments.
- Forum
 - A forum space separated by different courses where people can discuss homework and other class ideas.
- File Sharing
 - Users can upload or sell lecture notes, study guides, or perhaps solutions to homework. This will take place within the forum pages.

Requirements (User Stories)

- Create Accounts / Sign In
 - Functional Requirements
 - As a User, I would like to create an account to use TextBuddy to upload and share files and buy and sell textbooks.
 - As a TextBuddy Moderator/Administrator, I would like to be able to login to the site so that I can add a new class forum or delete any existing class forums in order to stay updated with the currently available classes.
 - As a student, I would like to create an account to discuss the lecture content in the class forums in order to receive help and do better in my classes.
 - Non-Functional Requirements
 - A user should be allowed to create an account by entering a valid name, year, major, and colorado.edu email that will then be added to the database.

- A user should be able to select if they are a student or administrator when creating an account which would then require a verification code.
 - A user should be able to login with a previously made account in order to access the website's utilities.
 - An error will be thrown at the user if the login information does not match any data in the database.
- Sell Textbooks
 - Functional Requirements
 - As a User, I can post the textbooks that I don't need anymore to TextBuddy to sell them in order to help others and potentially earn some change.
 - As a TextBuddy Moderator/administrator, I would like to moderate the textbooks being sold in order to make sure they are relevant to the classes and the coursework.
 - Non-Functional Requirements
 - The seller can post the title, picture, condition, and the price of the textbook that he wants to sell.
 - Store textbook listings in a table with columns ISBN, author, title in the database
 - If somebody decides to buy the textbook and contacts the seller, the seller will get a notification.
 - The administrator can manually remove any textbook put up for sale.
 - The seller would receive a notice/alert to their email that their textbook was taken down.
- Buy Textbooks
 - Functional Requirements
 - As a buyer, I don't want to spend too much money on a brand new textbook. I want to go to TextBuddy to buy a used one so that I can save money.
 - As a TextBuddy Moderator, I would like to remove any listings that are not considered a textbook, so that I can make sure the listings are relevant to the classes and the coursework.
 - Non-Functional Requirements
 - A textbook search should take no longer than a few seconds
 - The buyer can contact the seller if he decides to buy the textbook.
- Payment
 - Functional Requirements

- As a buyer, I would like a safe, secure, and easy mode of transaction. I want to make sure that I am guaranteed the textbook I buy so that I don't get scammed.
 - As a seller, I would like a safe, secure, and easy mode of transaction, so that I can make sure I get what I paid for.
 - Non-Functional Requirements
 - The transaction should be separate from the website's utilities.
 - The website should provide the means of communication between the buyer and the seller in order to secure a transaction and form of payment.
- Forum
 - Functional Requirements
 - As a User, I would like to discuss with other students in my class, so that I can have any questions cleared up.
 - As a TextBuddy Moderator, I should be able to delete some posts that are not appropriate.
 - Non-Functional Requirements
 - The forum discussion should have a clear distinction between the post (question or topic) and the discussion
 - The posts should be in the order of newest to oldest by default. And we also provide a sorting function.
 - A user can create a new post, delete or edit his own post.
 - The forum should be able to be divided by class department and number, with a big forum for all classes/sections of the same course and separate forums for different instructors.
- File Sharing
 - Functional Requirements
 - As a student who would like to help, I want to be able to upload a pdf, jpg, or another type of file of notes or work that I have to a forum with the intention of sharing with others using the forum.
 - As a student who needs help, it would be beneficial if I could view files within a forum that have been uploaded by other students.
 - As a TextBuddy Moderator, I must be able to view files uploaded to forums in order to determine if they are appropriate for the forum.
 - As a TextBuddy Moderator, I must be able to remove files from a forum or other space if they are deemed inappropriate for that space.
 - Non-Functional Requirements

- A user should be able to upload up to 10MB of data in a file upload
- A user should be able to download files directly from the server
- A moderator should be able to delete any files he/she deems unnecessary from the server
- Files should be viewable within a few seconds after uploading

