

## 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

TASK NAME	START DATE	END DATE	START ON DAY*	DURATION* (WORK DAYS)	TEAM MEMBER	PERCENT COMPLETE
<b>Create Sign in page</b>						
Create HTML page for both	10/19	10/26	0	1/8	Divya	0%
Create database for accounts	10/19	10/26	0	8	Austin	0%
Connect Database to html page	10/19	10/26	0	8	Wesley	0%
<b>Sell Textbook page</b>						
Create HTML page for posting	10/27	11/9	8	14	Austin	0%
create database to store posts	10/27	11/9	8	14	Divya	0%
connect page to database	10/27	11/9	8	14	Wesley	0%
<b>Buy Textbook Page</b>						
Create Layout for page in HTML	10/27	11/9	8	14	Wesley	0%
Figure out how to show listings	10/27	11/9	8	14	Chandler	0%
Connect listing database to page	10/27	11/9	8	14	Keyuan	0%
<b>Payment Page</b>						
Create messenger in html	10/19	10/26	0	8	Chandler	0%
Create database to store messages	10/19	10/26	0	8	Keyuan	0%
learn to display messages in page from database	10/19	10/26	0	8	Vanessa	0%
<b>Forum Page</b>						
Create main "hub" page	11/10	11/23	22	14	Vanessa	0%
Create sub pages	11/10	11/23	22	14	Divya	0%
create database to store posts	11/10	11/23	22	14	Austin	0%
Learn to display posts in order	11/10	11/23	22	14	Wesley	0%
Connect db of posts to page and display	11/10	11/23	22	14	Chandler	0%
<b>File Sharing</b>						
learn to store files	11/10	11/23	22	14	Keyuan	0%
learn to create database of files	11/10	11/23	22	14	Vanessa	0%
create page or link to files	11/10	11/23	22	14	Divya	0%
connect db to forum pages	11/10	11/23	22	14	Austin	0%

