

# CMPS 183 Project Proposal Format

A project proposal must be a Google Doc containing:

1. Project title.
2. Names and @ucsc.edu emails of students participating in the project.
3. Project abstract.
4. Project description (max 3 pages).
5. Data stored. Please describe which data the project plans to store. Remember that projects should have user-specific content, and not just the same content for all users.
6. How does it relate to other projects by the team? If you are doing related projects in another class (e.g., CMPS 115), please describe the relation between what is done in this class, and what would be done in the other class.
7. Plan for division of work. Explain how you plan to divide the work among team members.
8. Git URL. Please provide the URL of the git repository where you are developing your project.

Technology Stack:

Front end: HTML/CSS (bootstrap)

Back end: Python/Flask

Database: MongoDB

Hosting: GCP/Pythonanywhere

## **Project Title**

E-CollegeBooks

## **Names & @ucsc.edu emails**

Ayush Arora - [ayarora@ucsc.edu](mailto:ayarora@ucsc.edu)

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## **Project abstract**

A website where UCSC students can buy and sell previously used textbooks.

## **Project description**

E-CollegeBooks is an online web application that allows college students to easily buy and sell used textbooks on their campus. The website will allow users to search listings for a specific book and purchase it online via a 3rd party payment processor or in person. Users will be able to message other users to setup transactions. Users will also be able to view their previous buying/selling activities. Every transaction will allow both parties to rate each other based on the the transaction and the accuracy of the listing.

Features to implement if we have time:

- Category based searching
- Spelling correction

## **Data stored**

1. Name
2. Email
3. Password
4. Address
5. School Name
6. History of book transactions

## **Division of Work**

1. Ilanji - Python backend
2. Ayush, Aditya - MongoDB
3. Ethan - Frontend
- 4.

## **Git URL**

<https://github.com/ayusharora99/E-CollegeBooks>