

CMSC436 Project Proposal: Book Buddies

Project Team 5

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App Description

This app will allow a user to track their book reading. It will have a social media component where users can add friends and share their thoughts about books. It will also have location functionality, to help users find nearby libraries/bookstores and users.

Minimal Goals

- Give each user a book collection
 - Create/Read/Update/Delete functionality
 - Connect to GoogleBooks API to search for books
(<https://developers.google.com/books>)
- Journal associated with book for notetaking (option to make it viewable publicly/to friends/private)
- Social interaction between users

- Ability to friend/unfriend users
- Frontpage “feed” where you can see what your friends are doing
- Create book groups
- Location functionality
 - See nearby users/libraries

Stretch Goals

- Greater social media functionality
 - Sending messages between accounts
- Summarize book journal entries
- Camera functionality:
 - Scan books, read in title (OCR)
 - Scan barcodes of books
 - Scan QR code to add friends
- Recommend friends based on similar interests

Project Timeline

Milestone 1

- Adding/deleting books to your collection
 - Connect to GoogleBooks API to search for books
 - <https://developers.google.com/books>
- Track progress on books (plan to read, reading, finished reading)

- Journal associated with book for notetaking (option to make it viewable publicly/to friends/private)

Milestone 2

- Social feed of what friends are reading
- Interaction between accounts, friending people
- Location Functionality:
 - Find libraries/bookstores near you
 - Find other users near you

Milestone 3

- Random reminder to post pictures of yourself reading to feed
- Display metrics about reading breakdown (genres, time reading, etc.)

Final submission

Stretch goals completed, project submitted, and a demonstration scheduled.