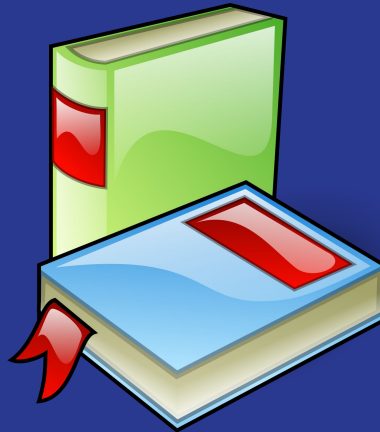


CSCI 499 - Capstone Group Project

BookHunter

Team members:

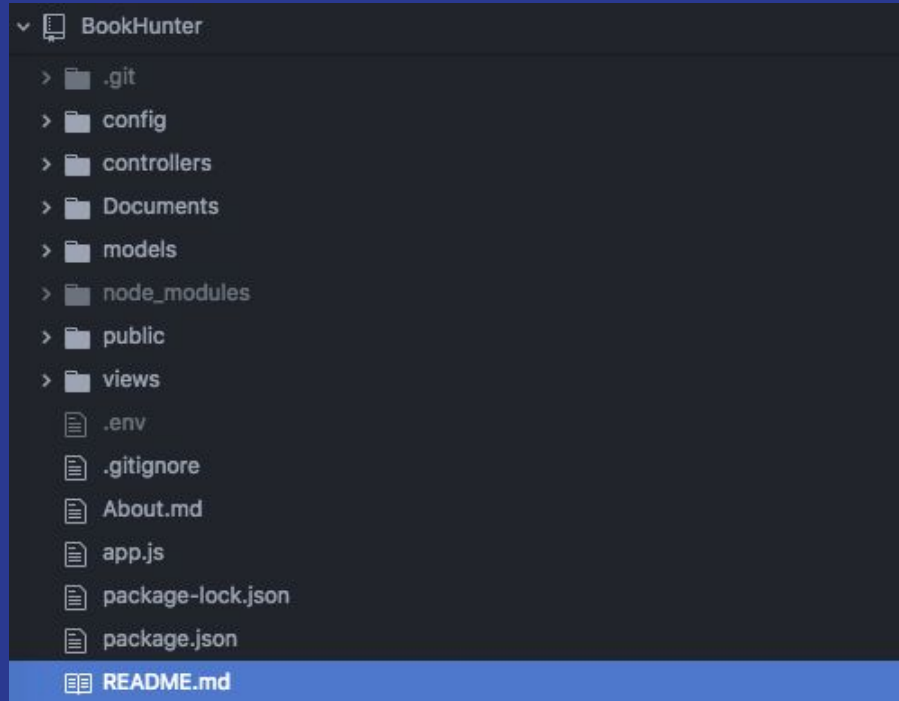
Olga Kent
Tony Jiang
Matthew Vardi
Yossi Cohen



Technical Details



Models-Views-Controllers



Database Models

User Schema

```
{
  "_id": ObjectId("5af51719cdbad4ef5a84e76f"),
  "library": Array
    0: ObjectId("5af5e09d0d1abcf2c661c192")
    1: ObjectId("5af5e0a20d1abcf2c661c193")
    2: ObjectId("5af5e0a60d1abcf2c661c194")
    3: ObjectId("5af5e0aa0d1abcf2c661c195")
    4: ObjectId("5af5e0b00d1abcf2c661c196")
    5: ObjectId("5af5e0b80d1abcf2c661c197")
  "wishlist": Array
    0: ObjectId("5af51744cdbad4ef5a84e771")
    1: ObjectId("5af5196ca23789ef78d52d62")
    2: ObjectId("5af5d9abc5262ff29b72c76d")
  "verified": true
  "first": "Olga"
  "last": "Kent"
  "username": "olga.kent12@myhunter.cuny.edu"
  "salt": "d36356bb5b897665676688928f46e8be63fad846671fdd39a5e1422a608d9285"
  "hash": "b068a594dfe63f3b6c0b7aa8b127fcc9b93450903ca4c43bc1337bdbea53f329dca6e9..."
  "__v": 80
}
```

Book Schema

```
{
  "_id": ObjectId("5af5e09d0d1abcf2c661c192")
  "book_owner": Object
    id: ObjectId("5af51719cdbad4ef5a84e76f")
    username: "olga.kent12@myhunter.cuny.edu"
  "book_author": Array
    0: "V. RAJARAMAN, T. RADHAKRISHNAN"
  "book_id": "Xo69qEkv9t4C"
  "book_title": "DIGITAL LOGIC AND COMPUTER ORGANIZATION"
  "book_link": "https://market.android.com/details?id=book-Xo69qEkv9t4C"
  "book_publisher": "PHI Learning Pvt. Ltd."
  "book_thumbnail": "http://books.google.com/books/content?id=Xo69qEkv9t4C&pr"
  "inWishlist": false
  "inLibrary": true
  "__v": 0
}
```

Scrum / Sprints

Sprint 1


- ☐  **Design an architecture diagram** **Sprint 1**

#1 by olgakent was closed on Feb 21

- ☐  **Wireframe Due 2/27** **Sprint 1**

#2 by MatthewVardi was closed on Feb 27

Sprint 2

- ☐  **Index Cards Exercise** **Sprint 2**

#4 by yocohen77 was closed on Mar 16

Sprint 3

- ☐  **Simple registration page** **Sprint 3**

#5 by yocohen77 was closed on Mar 16  Sign Up / Regis...

- ☐  **Email Verification** **Research Needed** **Sprint 3**

#7 by yocohen77 was closed on Apr 10  Sign Up / Regis...

- ☐  **Password Encryption & Storage** **Sprint 3**

#8 by yocohen77 was closed on Apr 10  Sign Up / Regis...

- ☐  **Simple login page** **Sprint 3**

#9 by yocohen77 was closed on Mar 16  Log In Page

Scrum / Sprints



Sprint 4

- ☐  **Registration page implementation** **Sprint 4**
#6 by yocohen77 was closed on Apr 10  Sign Up / Regis...
- ☐  **Login page implementation** **Sprint 4**
#10 by yocohen77 was closed 22 days ago  Log In Page







Sprint 5

- ☐  **Create Profile Page** **Sprint 5**
#17 by MatthewVardi was closed 22 days ago  Profile Page
- ☐  **Create Help Page** **Sprint 5**
#21 by jiangtony was closed 22 days ago  About Page

Sprint 6







- ☐  **Create Catalog Page** **Sprint 6**
#18 by MatthewVardi was closed 22 days ago  All Books Page

Sprint 7

- ☐  **Permissions for viewing certain pages** **Sprint 7**
#24 by MatthewVardi was closed 15 days ago  Log In Page
- ☐  **Profile Page implementation** **Sprint 7**
#25 by MatthewVardi was closed a day ago  Log In Page
- ☐  **Email verification script** **Sprint 7**
#26 by olgakent was closed 6 days ago  Log In Page

Scrum / Sprints

Sprint 8

- ☐  **Change users password through settings page** **Sprint 8**
#33 by MatthewVardi was closed a day ago  Profile Page
- ☐  **Flash Messages** **Sprint 8**
#31 by jiangtony was closed 4 days ago  Sign Up / Regis...
- ☐  **Adding functionality to the all books page / Pop up when user clicks on book** **Sprint 8**
#30 by MatthewVardi was closed a day ago  All Books Page

Sprint 9

- ☐  **Allow users to views other users profile pages** **Sprint 9**
#45 opened 23 hours ago by MatthewVardi
- ☐  **Website deployment** **Sprint 9**
#43 opened a day ago by MatthewVardi

What went well:

- Index Card Exercise (Jesse) to overcome initial obstacles
- AppNexus team meetings / reflection
- Scrum Methodology
- Retro Notes for keeping track of what is done
- Meetings & Communication outside of class time and in general
- Delegating work correctly
- Version control (after the initial learning curve)
- Different knowledge among group members throughout the project

What didn't go well:

- Different knowledge among group members throughout the project
- Initial idea too ambitious
- Leaving the core functionality to the end
- Cut downs towards the approaching deadlines
- Not researching and comparing different book APIs

Improvements

- Wishlist notification system (email)
- Hunter email verification on server side
- Research on other book APIs
- Broader search functionality