SPARKY BOOK SERVICE

CLASS PROJECT PHASE 4

Team #23

Team Members:

Harsh Nirmal Dhiran (Team Leader)

Rahil Shaik

Saikrishna Vinapamula

Robert Blanco

Nandhini Goripeddy

a) Link for the technical presentation (around 15 minutes). You can record this as a YouTube video or upload your video to the google drive of your team leader or one of your team members and provide a link to the google drive video
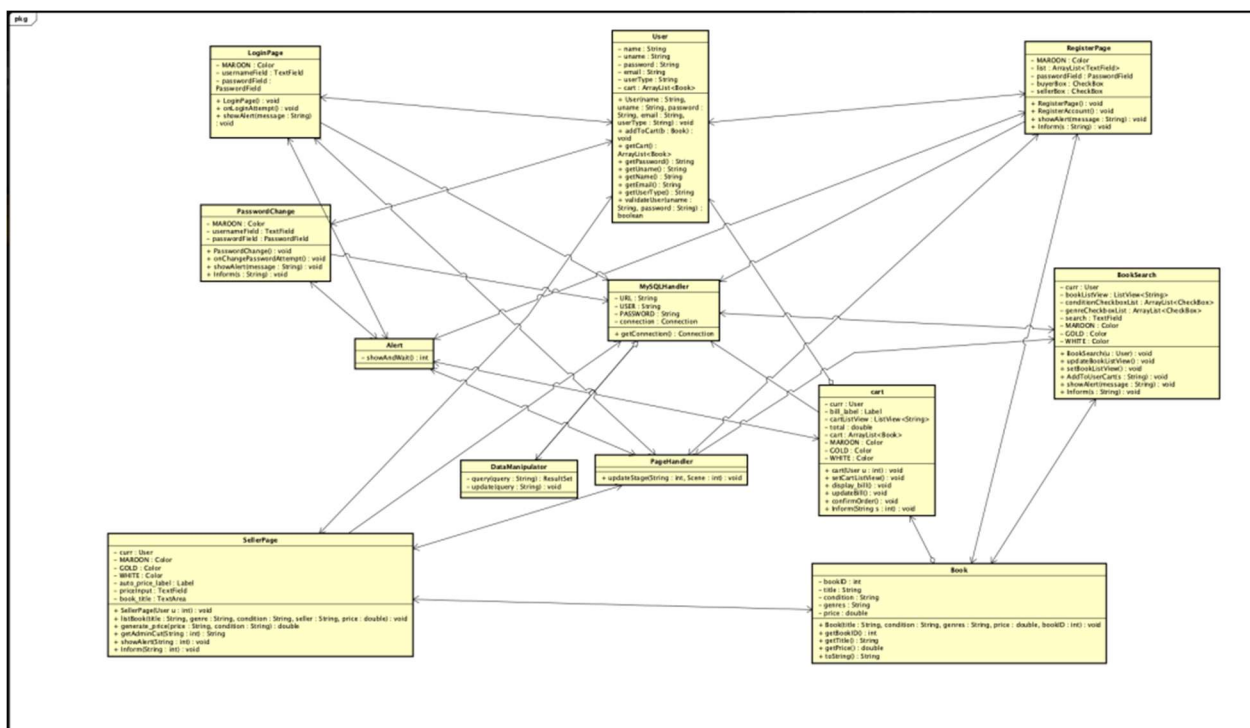
Google drive or YouTube link here:
https://www.youtube.com/watch?v=_2PkuhiQ6w4&ab_channel=RahilShaik

Presentation Link:
https://docs.google.com/presentation/d/14P1HB6dUPGFX3mwAonpAVQp7sugG-5qurqxJoEnH9JM/edit?usp=sharing

b) Final class diagram (copy and paste the Astah class diagram here).

c) Testing report. Use the following format

Test Case	Testing Scenario from phase II	System Output	Test Case passed (Yes/No)
1. Login - correct username and password	Username: jane_doe Password: pass123	It goes to the buyers page and there a choice to switch to sellers page on the top	Test Case Passed
2. Login - correct username and wrong password	Username: jane_doe Password: pass234	It shows an error box which shows "wrong username or password"	Test Case Passed
3. Login - wrong username and correct password	Username: jane_smith Password: pass123	It shows an error box which shows "wrong username or password"	Test Case Passed
4. Login - wrong username and wrong password	Username: jane_smith Password: pass234	It shows an error box which shows "wrong username or password"	Test Case Passed
5. Create Account - all details are correct with no duplicates	Username: rahil_shaik Password: root123 First name: Rahil Last name: Shaik Email: rahil@example.com Account type: Seller or Buyer or both	It shows an alert that says that the account has been successfully created and goes to the buyers/sellers page depending on the account type.	Test Case Passed
6. Create Account - all details are correct except there is duplicate email	Username: rahil_shaik Password: root123 First name: Rahil Last name: Shaik Email: jane@example.com Account type: Seller or Buyer or both	It shows an error box that says an account with the given email already exists.	Test Case Passed
7. Create Account - all details are correct except there is duplicate username	Username: jane_doe Password: root123 First name: Rahil Last name: Shaik Email: rahil@example.com Account type: Seller or Buyer or both	It shows an error box that says an account with the given username already exists.	Test Case Passed
8. Create Account - Some fields are missing	Username: rahil_shaik Password: root123 First name: Last name: Shaik Email: rahil@example.com Account type: Seller or Buyer or both	It shows an error box that says some fields are missing	Test Case Passed
9. Forget Password	Username: jane_doe Password: pass	It changes the password and goes to login page	Test Case Passed

| 10. Searching for books - Search for books by name	Search box: Wimpy	It will show a book called Wimpy kid	Test Case Passed
11. Searching for books - Sort by genre and condition	Condition: Used like new Genre: Thriller	It will show Book 4	Test Case Passed
12. Buying Books - Add selected book to cart	Add book 1 and book 3 to cart	The book is added to cart	Test Case Passed
13. Buying Books - View cart	View cart button is clicked	It changes the page to the user's cart page	Test Case Passed
14. Canceling Order and Canceling specific books	Remove book or cancel order button is clicked	It removes the selected book or all the books in the user's cart and updates the page to reflect the books in the cart	Test Case Passed
15. Listing a book - All fields provided and book is listed	Genre: Fantasy Quality: Used Like New Price: $72 Title: Harry Potter	It adds the book into the table with the given data after generating a price.	Test Case Passed
16. Listing a book - Some fields are missing	Genre: Fantasy Quality: Price: $72 Title: Harry Potter	It shows an error box that says some fields are missing	Test Case Passed

d) Conclusions (No more than ½ page, single space 12 font size)

Working on the project this semester was a great learning experience for our group. It taught us the value of teamwork and how important it is to collaborate and coordinate effectively when working on a software engineering project. The project gave us a chance to experience some of the real-world challenges that come with managing and completing a group project.

One thing that went really well was how we communicated and supported each other throughout the process. We divided the work fairly so that everyone had a clear role, and we made sure to give each other helpful feedback along the way. This approach kept us on track as we would start the projects early and allowed us to produce a final product we were all happy with.

That said, one challenge we faced was the limited time to finish everything. Because of this, we weren't able to complete the Admin page or refine some parts of the project as much as we wanted. With a little more time, we could've polished it further and added more functionality.

For future CSE360 groups, we'd recommend starting early, breaking tasks into manageable pieces, and checking in regularly to make sure everyone is on the same page. Good communication and planning ahead for extra time to review and refine your work can really make a difference.

Hours worked
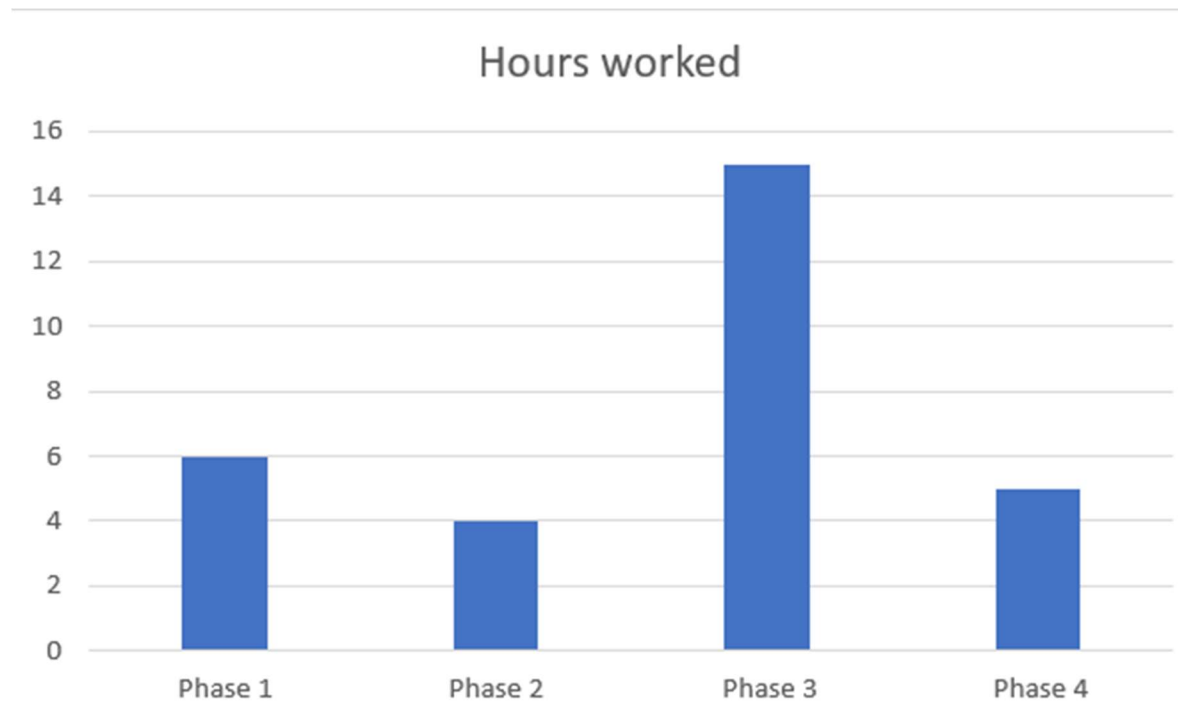
e) Data Design (Extra Credit)

Identified data entities
1. Buyer
● Attributes:
○ username (primary key)
○ password
○ email
○ fullName
○ userType
● Relationships:
○ 1:many with cart
○ 1:1 with register
○ 1:many in update cart
○ 1:many relationship with buys book
○ relationship with bookSearch
2. Seller

- Attributes:
- username
- password
- email
- fullName
- userType
- Relationships:
- 1:many or many:many with List Books
- 1:1 with Register

3. Cart
- Relationships:
- 1:many with Buyer
- 1:many in updateCart

4. Listed Books DataBase
- Relationship:
- many:1 with List Book
- many : many relationship between seller and A Listed Book

5. A Listed Book
- Attributes:
- id (primary key)
- genre
- sold
- bookCondition
- price
- Relationships:
- 1:1 with buys books
- 1:1 relationship with List Books

E-R diagram (you can use word or any software to draw the E-R diagram)

Credit Sheet

Team Member Name	Contributions
Harsh Nirmal Dhiran	20%

Rahil Shaik	20%
Saikrishna Vinapamula	20%
Robert Blanco	20%
Nandhini Goripeddy	20%