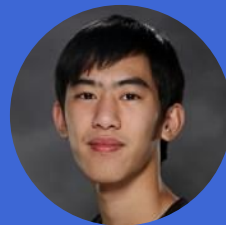


# BOOKACE

Created by



H. Ray Li



Henry Yu

# OVERVIEW

- **App Name:** BookAce
- **App Description:** This app encourages young readers to enjoy reading with traditional books, fosters their attention span, and increases self-awareness of their reading trends.
- **Track:** Youth Team
- **Category:** Education & research



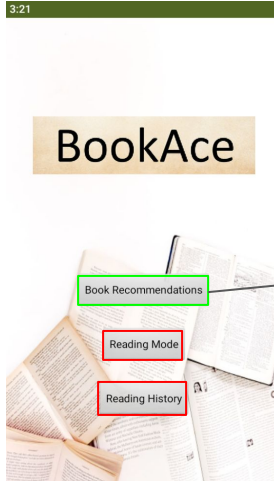
# THEME

**In 100 words or less, describe the problem that you chose to address, and why you were interested in solving it. Please note that this portion of your submission will be published if you are selected as a finalist or winner.**

Sustained attention is a crucial factor in reading comprehension. However, the younger generation is surrounded by short and segmented information from social media, which cuts their attention span. Our app aims to encourage kids to spend more time reading traditional books. The features of the app provide personalized book recommendations, engage users with self-logged reading, and visualize their reading trends statistically.



# INSTRUCTIONS



On the app's home screen, there are 3 selections available.

3:23

Survey

Back

**My favorite genres:**

Action  Drama  Romance

Adventure  Fantasy  Sci-Fi

Biography  Historical  Self-Help

Comedy  Horror  Thriller

Crime  Mystery  Western

**My age group:**

0-2  11-12

3-5  13-14

6-8  15-16

9-10  17-18

Please input the following by operation with comma

The Book recommendations page contains a survey to fill out. Fill out as many or as few sections as you wish, then click on submit at the bottom of the screen.

3:25

Your Recommendations

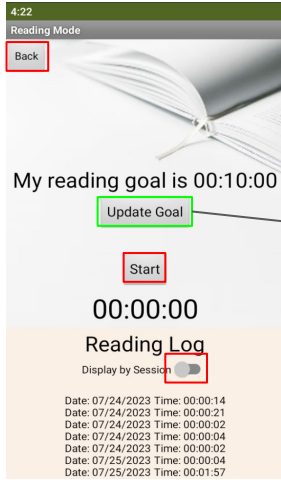
Home Back

Title: The Maze Runner
Author: James Dashner
Pagecount: 375
Year Released: 2009
Genres: Action, Adventure
Title: Eragon
Author: Christopher Paolini
Pagecount: 509
Year Released: 2002
Genres: Action, Adventure
Title: The Alchemist
Author: Paulo Coelho
Pagecount: 197
Year Released: 1988
Genres: Adventure
Title: Ready Player One
Author: Ernest Cline
Pagecount: 372
Year Released: 2011
Genres: Action, Adventure

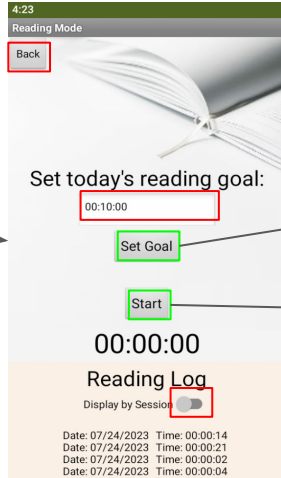
The app will then display a list of books that you may like. Hit the Home button to return to the home screen, or the back button to get new recommendations.



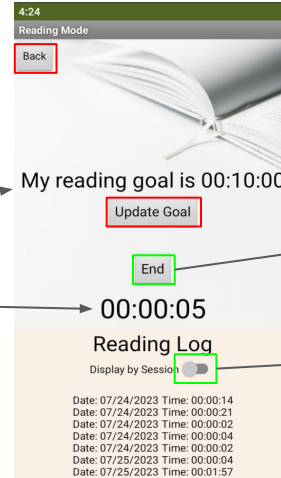
# INSTRUCTIONS



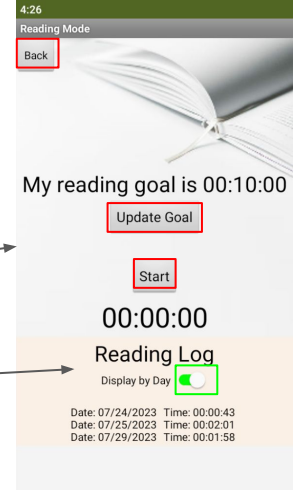
When you click on “Reading Mode”, you will see the above screen.



Clicking on update goal gives a text box where you can input a goal and set the goal.



You can use the start button to start the timer. Once you click end, the app will log that session.



You can either view reading time by each session or by day.



# INSTRUCTIONS

4:42

Reading History

Back

I've read:

Input Book Title

Input Author


Submit

Delete Last Entry

View Book Statistics

The ID is shown next to the title and author  
My book history:

- 1.0 The Hunger Games by Suzanne Collins
- 2.0 The Lightning Thief by Rick Riordan
- 3.0 Divergent by Veronica Ross
- 4.0 1984 by George Orwell
- 5.0 Animal Farm by George Orwell
- 6.0 Pride and Prejudice by Jane Austen
- 7.0 Wuthering Heights by Emily Bronte
- 8.0 The Great Gatsby by F. Scott Fitzgerald



When you click on “Reading History”, you will see the above screen.

4:44

Reading History

Back

I've read:

To Kill A Mockingbird

Harper Lee


Submit

Delete Last Entry

View Book Statistics

The ID is shown next to the title and author  
My book history:

- 1.0 The Hunger Games by Suzanne Collins
- 2.0 The Lightning Thief by Rick Riordan
- 3.0 Divergent by Veronica Ross
- 4.0 1984 by George Orwell
- 5.0 Animal Farm by George Orwell
- 6.0 Pride and Prejudice by Jane Austen
- 7.0 Wuthering Heights by Emily Bronte
- 8.0 The Great Gatsby by F. Scott Fitzgerald

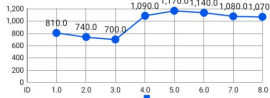


You can add books that you have read to the log. If you make a mistake while entering the book, you have the option to delete the last entry.


4:46

Statistics

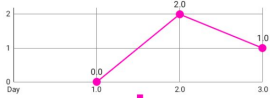
The chart below displays a line graph of the lexiles of books that you have read. Each point represents the lexile of a book with that ID.



The chart below displays a pie chart of the distribution of genres of books that you have read. Each slice represents a distinct genre.



The chart below displays the total time read each day for up to the past 7 days in minutes. The rightmost point represents today.



When you click on “View Book Statistics”, you will be able to see relevant data about the books that you have read, as well as your reading time.



# LIMITATIONS

**In 100 words or less, describe the limitations of your app and what people should carefully consider when using it.**

Our app operates with the ChatGPT API, which comes with specific rate limits. Currently, we are using the gpt-3.5-turbo model, which allows for 90,000 tokens per minute or up to 3,500 requests per minute. However, at larger scales, the app's requesting system may experience downtime due to these limits.

Also, the app is dependent on the user for some inputs, such as starting and stopping the timer. Though parents may assist their kids with tracking their reading, it is the user's responsibility to start and end.



# ACKNOWLEDGEMENTS

**Please list the names of anyone who helped you with developing your app, and describe what type of help they provided.**

- Yunjuan He for her mentorship
- Jason Li & Ryan Hu for allowing us to film and use the clip of their reading in our video demo







# APPENDIX

We named our app BookAce because it has a double meaning. First, it's a homonym of the word bookcase, which is a place to store and find books. Second, it represents the ace, which symbolizes quality and excellence.