

Frontend Simplified - Virtual Internship (v2)

In this internship, you will be working on creating one of the most stacked websites that will prove you're a capable developer.

Solution website: <https://summarist.vercel.app/>

1. Choosing the technology

You can choose whatever technology you want for this virtual internship.

However, Frontend Simplified used the following technologies to complete this virtual internship:

- NextJS
- Typescript
- Firebase (firestore + authentication)
- Stripe using firebase extension
- Redux with redux toolkit
- React icons
- Vercel

Feel free to use whatever technologies you feel comfortable with.

2. Start

After you choose the technology, we will provide you with the home page design and app assets to facilitate stuff since it doesn't really have any UI logic and we don't want to waste your time by coding pure HTML, CSS, and grabbing assets.

Here is the repo for the HTML and CSS code for the home page. You will need to implement it according to your own framework of choice.

Link for home page and assets: <https://github.com/hannamitri/summarist-home-page>

Img tags are left empty for you to add based on the framework you chose. Icons are left there in case you want to use react-icons.

In order to install react icons, use the following command: **npm install react-icons**

3. Overall Features

- a. Home page (<https://summarist.vercel.app/>)
 - i. Design
 - ii. Authentication modal
 - Register
 - Login using email and password
 - Logout
 - Guest login

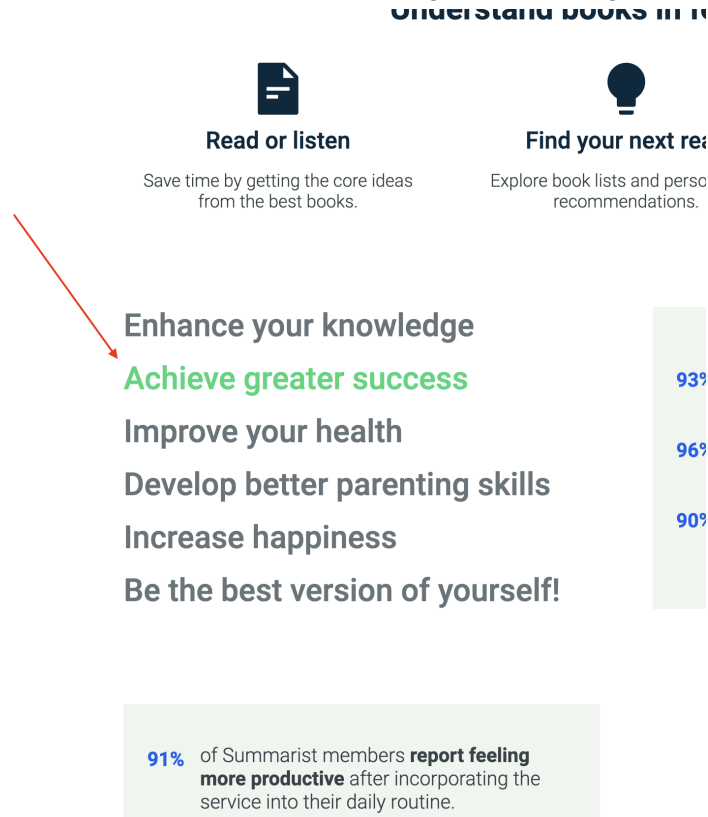
- Forgot password (Optional)
- Google login (Optional)
- b. For you page (<https://summarist.vercel.app/for-you>)
 - i. Selected Book
 - ii. Recommended Books
 - iii. Suggested Books
 - iv. Book pill
- c. Inside book page (<https://summarist.vercel.app/book/:id>)
 - i. Display the content of the book
 - ii. Save books in library (Optional)
- d. Player book page (<https://summarist.vercel.app/player/:id>)
 - i. Display book title and book summary
 - ii. Build an audio player
- e. Sales page (<https://summarist.vercel.app/choose-plan>)
 - i. Design
 - ii. Create Payments
- f. Settings page (<https://summarist.vercel.app/settings>)
 - i. Display subscription status
 - ii. Display user email
- g. Search bar
 - i. Implement a search bar
- h. Sidebar
 - i. Implement a sidebar
- i. Skeleton loading state
 - i. Implement skeleton loading state
- j. Library page (Optional)
 - i. Display the saved books
 - ii. Display the finished books

4. Features explanation & hints

In order to facilitate the project for you, we will be providing you some hints that will help you build the website easier. We will go in depth with each feature and how it works.

1. Home page (<https://summarist.vercel.app>)
 - a. Design:

- i. The HTML and CSS for the home page were already provided to you at the beginning of this document.
- ii. **Optional:** create the active heading on home page



Refer to the finished product to see its behavior.

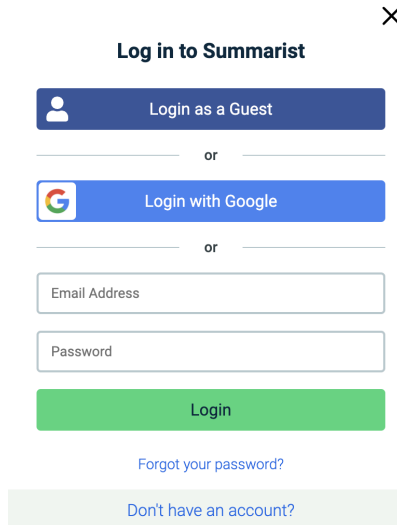
b. Authentication:

In this project, you're required to use a **modal** for authentication.

- i. **Register:** User should be able to sign up with email and password

The screenshot shows a modal titled 'Sign up to Summarist' with a close button (X) in the top right corner. The modal contains a 'Sign up with Google' button with the Google logo. Below this is a horizontal line with the word 'or' in the center. Underneath the line are two input fields: 'Email Address' and 'Password'. Below these fields is a green 'Sign up' button. At the bottom of the modal, there is a link that says 'Already have an account?'.

- ii. **Login:** User should be able to login with email and password
- iii. **Logout:** User should be able to logout.
- iv. **Guest login:** User should be able to use a guest login



Log in to Summarist

or

or

Email Address

Password

Login

[Forgot your password?](#)

[Don't have an account?](#)

- v. **Forgot password:** Create a function that will reset a user's password if he forgot it. (OPTIONAL)
- vi. **Google login:** add a google login feature (OPTIONAL)

Behavior:

- If the user tried to either login or register with invalid email and password, then an error should appear.
The error can be:
 - Invalid email (on register and login)
 - Short password (on register)
 - User not found (on login)
- If the user successfully entered everything correctly, they will be redirected to <https://summarist.vercel.app/for-you>
- If the user has successfully logged out, display the logged out state in all the necessary pages.
- This is mainly used for recruiters and it is easy to implement. You just need to create a dummy email and password.
For example:
 - Email: guest@gmail.com
 - Password: guest123

Then, you can use the login function and hardcode the email and password you created.

Hints: The auth modal will be used throughout the whole application, so make sure you use a global state variable to show/hide the modal.

2. For you page (<https://summarist.vercel.app/for-you>)

Book object:

```
id: string;
author: string;
title: string;
subTitle: string;
imageLink: string;
audioLink: string;
totalRating: number;
averageRating: number;
keyIdeas: number;
type: string;
status: string;
subscriptionRequired: boolean;
summary: string;
tags: string[];
bookDescription: string;
authorDescription: string;
```

- **id**: unique string
- **author**: name of the book's author
- **title**: title of the book
- **subTitle**: sub title of the book
- **imageLink**: image string of the book (can be directly added inside img tag)
- **audioLink**: audio string of the book (can be directly added inside the audio tag)
- **totalRating**: total rating of the book
- **averageRating**: average rating of the book
- **keyIdeas**: key ideas of the book
- **type**: type of the book (audio, text, or audio & text)
- **status**: status of the book. (can be either selected, recommended, or suggested)
- **subscriptionRequired**: states if user should be subscribed or not to read/listen to the book
- **summary**: summary of the book
- **tags**: tags of the book. (it is an array of strings, so it can contain multiple tags)
- **bookDescription**: description of the book
- **authorDescription**: description of the author

a. **Selected Book** (Ignore book duration for now, but come back and do it once you finish the feature: 4.b.)

- Display book (from an api)

Api Link:

<https://us-central1-summaristt.cloudfunctions.net/getBooks?status=selected>

- Returns a single book object

Selected just for you



b. **Recommended Books** (Ignore book duration for now, but come back and do it once you finish the feature: 4.b.)

- Display books (from the api)

Api Link:

<https://us-central1-summaristt.cloudfunctions.net/getBooks?status=recommended>

- Returns an array of book objects



c. **Suggested books** (Ignore book duration for now, but come back and do it once you finish the feature: 4.b.)

- Display books (from the api)

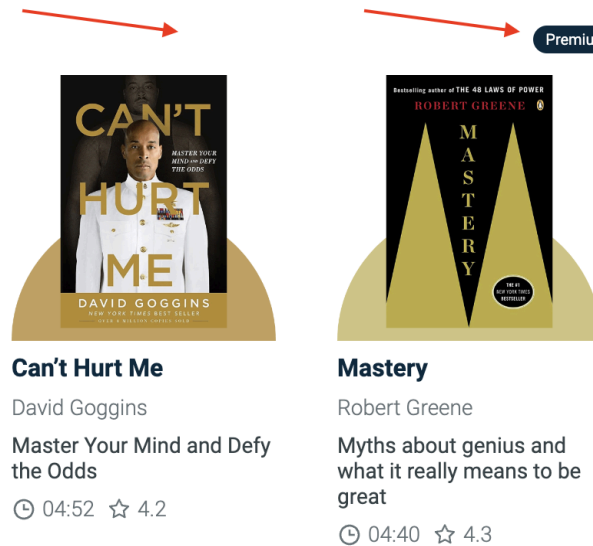
Api Link:

<https://us-central1-summaristt.cloudfunctions.net/getBooks?status=suggested>

- Returns an array of book objects

d. Book pill

- You can notice the pill on the top right of the book, this should be displayed according to the “subscriptionRequired” property inside the book object. If the subscriptionRequired is false, you don’t need to display anything. If it’s true, you need to display premium.



Behavior: When a user clicks on any of the books, they will be redirected to /book/:id (id being the id of the book)

Example: <https://summarist.vercel.app/book/:id>

3. Inside book page (<https://summarist.vercel.app/book/:id>) (**Ignore book duration for now, but come back and do it once you finish the feature: 4.b.**)

a. Display the content of the book.

title → **Mastery (Premium)**

author → **Robert Greene**

subTitle → **Myths about genius and what it really means to be great**

averageRating → 4.3 (422 ratings)

totalRating → 04:40

keyIdeas → 7 Key ideas

type → Audio & Text

imageLink →

tags → Personal Development, Education

bookDescription → Mastery is the state of achieving complete understanding, expertise, and skill in a particular field, task, or subject matter. It is characterized by a deep understanding of the fundamental principles, patterns, and nuances of a discipline, as well as the ability to apply this knowledge creatively and effectively. Mastery is typically attained through deliberate and focused practice over an extended period, as well as a willingness to continuously learn, grow, and refine one's skills. Those who have achieved mastery are often considered leaders in their field and are highly respected for their knowledge, expertise, and contributions to their industry or discipline.

authorDescription → **About the author**
Robert Greene is a bestselling author and speaker who is widely recognized for his expertise in the areas of power, strategy, and human behavior. He has written several influential books, including "The 48 Laws of Power," "The Art of Seduction," and "Mastery," which have been translated into over 30 languages and sold millions of copies worldwide. Greene's books draw heavily from historical examples and the lives of notable figures, offering insights and advice on how to navigate complex social and professional situations with greater skill and effectiveness. His work has been praised for its depth of research, compelling storytelling, and practical wisdom, and has been embraced by readers and thought leaders in fields ranging from business and politics to sports and the arts. Overall, Robert Greene is widely regarded as a leading authority on the nature of power and success, and his work continues to shape the way people think about these important topics.

You need to use this api to retrieve the book by id:

[https://us-central1-summarist.cloudfunctions.net/getBook?id=\\${id}](https://us-central1-summarist.cloudfunctions.net/getBook?id=${id})

`${id}` = dynamic id of the book

Behavior: User clicks on the read or listen buttons.

- If the user is not logged in, the auth modal should appear (for them to register or login)
- If the user is logged in:
 - If it's a premium book and they're not subscribed, then we need to send them to <https://summarist.vercel.app/choose-plan>. This will allow them to buy a subscription (Will be implemented later).
 - If it's a free book or if the user is subscribed, then we need to send them to <https://summarist.vercel.app/player/:id> (Will be implemented later) id being the unique id of the book.
- User clicks on add title to My Library:
 - If not logged in, open auth modal
 - If logged in, save book details

Hints: Use dynamic routes in order to display the selected book.

4. Player book page (<https://summarist.vercel.app/player/:id>)

a. Display the book title and summary

Can't Hurt Me

title

summary

Can't Hurt Me is a memoir written by retired Navy SEAL David Goggins, detailing his journey from a troubled childhood to becoming one of the toughest endurance athletes in the world. The book is split into two parts: the first part focuses on Goggins' childhood and early adult life, while the second part delves into his military training and athletic accomplishments.

Part One: Childhood and Early Adulthood

Goggins was born into poverty in rural Indiana, and his childhood was marked by abuse and neglect from his father, who was an alcoholic. Goggins and his mother were regularly beaten by his father, and he had to endure racial discrimination due to his mixed-race heritage. Goggins' childhood was further complicated by a learning disability that made it difficult for him to read and write, which contributed to his poor academic performance and low self-esteem.

Despite his difficult upbringing, Goggins was determined to make something of himself. He joined the Air Force after high school, but was discharged after just a few years due to a medical condition. After leaving the Air Force, Goggins worked as an exterminator and a factory worker before deciding to pursue a career as a Navy SEAL.

Goggins faced many obstacles in his journey to become a Navy SEAL. He struggled with obesity and had to lose over 100 pounds in order to meet the physical requirements for SEAL training. He also had to overcome a fear of water and learn to swim, which was a significant challenge for him due to his upbringing in a landlocked state.

Part Two: Military Training and Athletic Accomplishments

Goggins' military career began when he joined the Air Force Security Forces, where he learned the skills that would eventually make him an effective SEAL. After several attempts, Goggins finally made it through Navy SEAL training and was deployed to Iraq and Afghanistan.

Goggins' time in the military was marked by numerous injuries and close calls, including a helicopter crash that left him with a broken back. Despite these setbacks, Goggins continued to push himself physically and mentally, and he became known as one of the toughest SEALs in the unit.



b. Build an audio player



Behavior: A user can play/stop/skip the audio using the buttons in the middle. A user can drag the audio to a specific time. The total duration of the book should be displayed on the right. In this case it's 4 minutes and 52 seconds.

Hints:

- Use "white-space: pre-line;" to add some space between the paragraphs of the book summary.
- To build out the audio player, you can follow this link:

<https://blog.logrocket.com/building-audio-player-react/>

5. Sales page (<https://summarist.vercel.app/choose-plan>)

- a. Design
 - i. Code the design for the sales page. It should include everything there (Switching between plans, accordion, etc).
- b. Create Payments
 - i. Create 2 different subscriptions. One of them should be billed monthly and the other should be billed annually (You can choose whatever prices you want).
 - ii. Yearly subscription should have a 7-day free trial

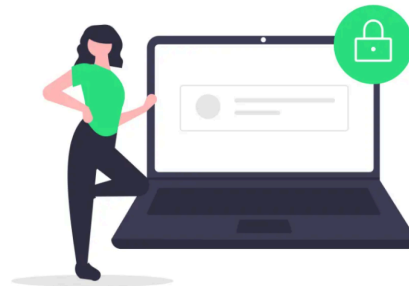
Hints:

- In order to set up payments, you can follow this link:
<https://www.youtube.com/watch?v=xi3F2Zv91UE>

6. Settings page (<https://summarist.vercel.app/settings>)

If the user is **not** logged in, an image with a button to login should be displayed.

Settings



Log in to your account to see your details.

Login

Otherwise:

- a. Display subscription status.
 - i. If the user is not subscribed, display the plan as basic with a button to upgrade that will send you to the sales page.
<https://summarist.vercel.app/choose-plan>

Your Subscription plan

Basic

Upgrade to Premium

- ii. If the user bought the premium subscription, then display premium.

Settings

Your Subscription plan

premium

- iii. If the user bought the premium-plus subscription, then display premium-plus

Settings

Your Subscription plan

premium-plus

- b. Display user email
 - i. Display the user's email

Settings

Your Subscription plan

premium

Email

hannamitri7@gmail.com



7. Search bar

Search for books



This component should show on all pages except the home and sales page. (<https://summarist.vercel.app> and <https://summarist.vercel.app/choose-plan>)

- a. Implementation

- i. You need to implement the search with a debounce (try entering some text and check how it works)

You need to use this api to search for books:

[https://us-central1-summarist.cloudfunctions.net/getBooksByAuthorOrTitle?search=\\${search}](https://us-central1-summarist.cloudfunctions.net/getBooksByAuthorOrTitle?search=${search})

`${search}` = search input of the user

The user can search a book by either the title or author.

Behavior: Debounce help with decreasing the number of api calls. Frontend Simplified did it in a way where it waits 300 milliseconds after the user finishes typing. So if the user typed: “How to win friends”, the component will wait 300ms before hitting the api and retrieving the results.

8. Sidebar

This component should show on all pages except the home and sales page.

(<https://summarist.vercel.app> and <https://summarist.vercel.app/choose-plan>)

- a. There are 7 items on the sidebar
 - i. For you: sends the user to /for-you
 - ii. Library: sends the user to /library
 - iii. Highlights: It's just a not-allowed cursor and doesn't send the user to any page
 - iv. Search: same as Highlights
 - v. Settings: sends the user to /settings
 - vi. Help & Support: same as Highlights and Search
 - vii. Login/Logout: Either opens the auth modal or logs out the user

Behavior: Check the website to see the behavior. (Check out /player page to see the sidebar's behavior on mobile)

9. Skeleton loading state

Skeleton loading states should show on everything that needs time to be retrieved. Some examples: For you page components, inside books page, settings page... (Check the website to make sure if you need a skeleton loading state for a specific feature)

- a. Implement skeleton loading state

10. Library Page (<https://summarist.vercel.app/library>) OPTIONAL

- a. Display the saved books
 - i. If a user clicked on “Add title to My Library”, it would be displayed here.
- b. Display the finished books
 - i. If a user finishes a book, it will be displayed here. (A book is considered finish if the user listens till the end)