

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**

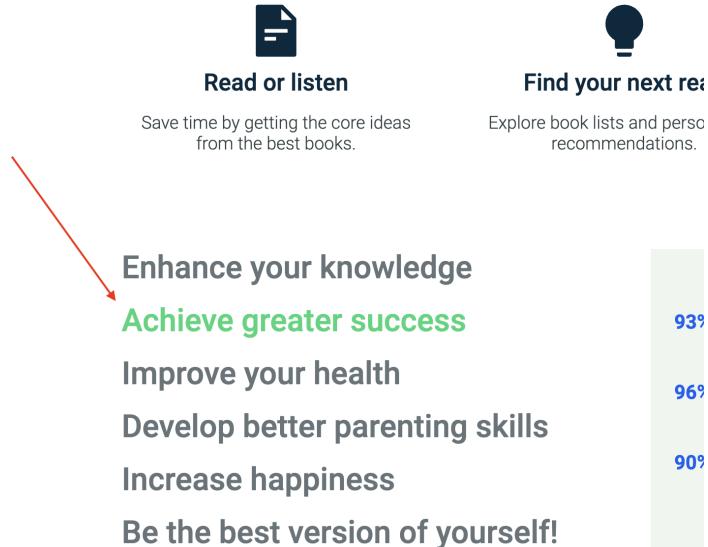
3. Overall Features

- 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

UNDERSTANDING BOOKS IN A NUTSHELL



91% of Summarist members **report feeling more productive** after incorporating the service into their daily routine.

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

X

Sign up to Summarist

Sign up with Google

or

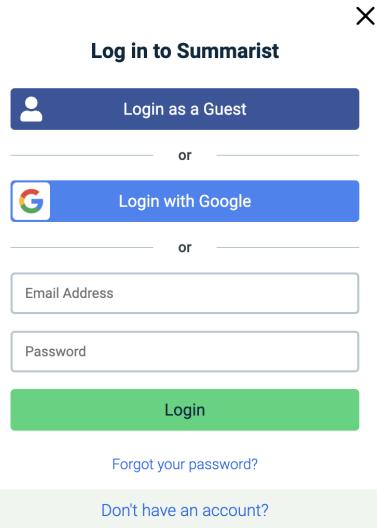
Email Address

Password

Sign up

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



- 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

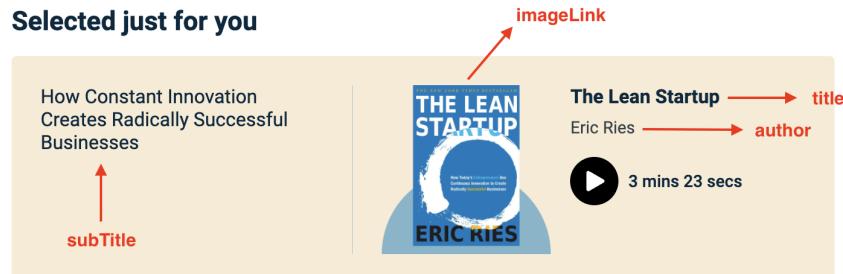
a. Selected Book (Ignore book duration for now, but come back and do it once you finish the feature: 4.b.)

- Display book (from an api)

Api Link:

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

- Returns a single book object



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)

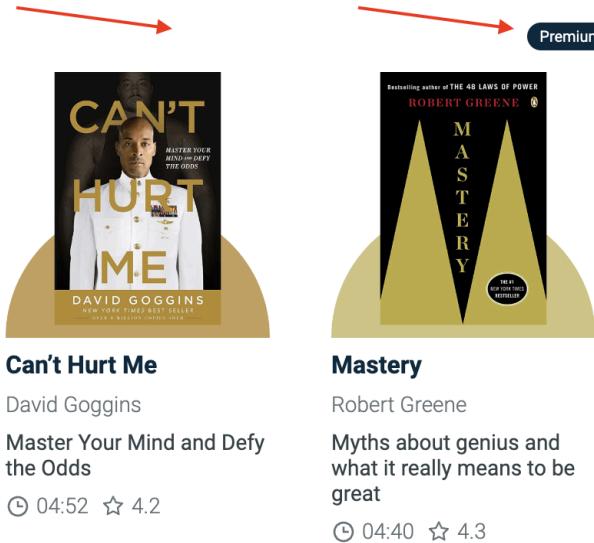
Api Link:

<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.

The screenshot shows a book summary page for 'Mastery (Premium)' by Robert Greene. Key elements include:

- 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**: A link to the book cover, which features a yellow triangle design and the word 'MASTERY' vertically.
- Add title to My Library**: A button to add the book to a library.
- What's it about?**: A section describing the book's content.
- tags**: Personal Development, Education
- bookDescription**: A detailed description of what mastery is.
- authorDescription**: A biography of Robert Greene.

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

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

The screenshot shows a dark-themed player interface. At the top, the book title "Can't Hurt Me" is displayed in white text. A red arrow points from the word "title" to the book's title. Below the title is a summary paragraph about David Goggins' memoir. A red arrow points from the word "summary" to the start of the summary text.

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

The screenshot shows a dark-themed audio player interface. On the left, there is a thumbnail image of the book cover for "Can't Hurt Me" by David Goggins. Red arrows point from the words "title", "author", and "imageLink" to the corresponding book details. In the center, there are three circular control buttons with the numbers "10", "10", and "10" respectively. To the right of the controls is a play button icon. Further to the right is a progress bar showing the current position at "00:00" and the total duration at "04:52". Above the progress bar, the text "audioLink" is displayed.

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