

Front-End Development Test

Thank you for showing your interest in Seven Peaks Software, please carefully review this test spec and implement the system to be as close as possible to the design.

Deliverables

- A final version of your code.
- ReadMe file with description how to run project

Requirements

- You must start a project from scratch, choose any technology you prefer. For the front-end, use only the latest version of React.
- No UI library is allowed, you have to write all CSS by yourself. Only CSS, SCSS and CSS-in-JS are allowed.
- The application must be responsive, should display correctly both on desktop and mobile.
- The application should work fine on the latest version of Google Chrome.
- The application should be production-ready (bug-free, look as close to the design as possible).

Bonus Point

- Add unit tests where you think it needed
- PWA for offline access
- Any extra fine-tune features will count toward the bonus point as well.

App Prototype

Please familiarize yourself with the prototyped flow in Figma

<https://www.figma.com/proto/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0%3A2&scaling=min-zoom&page-id=0%3A1>

APIs

Requirements for this project were built upon [The Guardian Open platform](#), please familiarise yourself with the documentation and use them to fulfill the need of each requirement feature.

More information

Should you have any questions, please contact jobs@7peakssoftware.com

Best of luck on the test 🍀



#	Name	Description
1	Navigation area	Navigation area to contain the main site navigation and article search bar.
2	Content area	Dynamic area for showing different content based on the page.

Navigation area



User Stories

#	User Story	Acceptance Criteria
1.1	As a user, I want to navigate to the homepage, So I can browse today latest news.	<p>Given a loaded website, on any pages</p> <p>When: I click on the Peaks Logo</p> <p>Then: the browser should navigate to the home page.</p>

Search box



(1) Search box - normal state



(2) Search box - focus state

User Stories

#	User Story	Acceptance Criteria
2.1	As a user, I want to search for news articles based on my interested keywords, So I can see a list of news articles that match my search query.	Given a loaded website, on any pages. When: I click on magnify glass button (1). Then: the search box should be expanded with animation(2).
		Given a loaded website, on any pages, and the search box is in focus (2). When: typing any query. Then: the search site should start performing the search and the loading state should be shown in Search Result .
		Given: <ol style="list-style-type: none"> 1. A loaded website, on any pages. 2. The search box is in focus. 3. The query has been filled. When: <ol style="list-style-type: none"> 1. Remove the query string. 2. Click anywhere on the screen apart from the search box. Then: The search box should shrink back into (1).

Content area

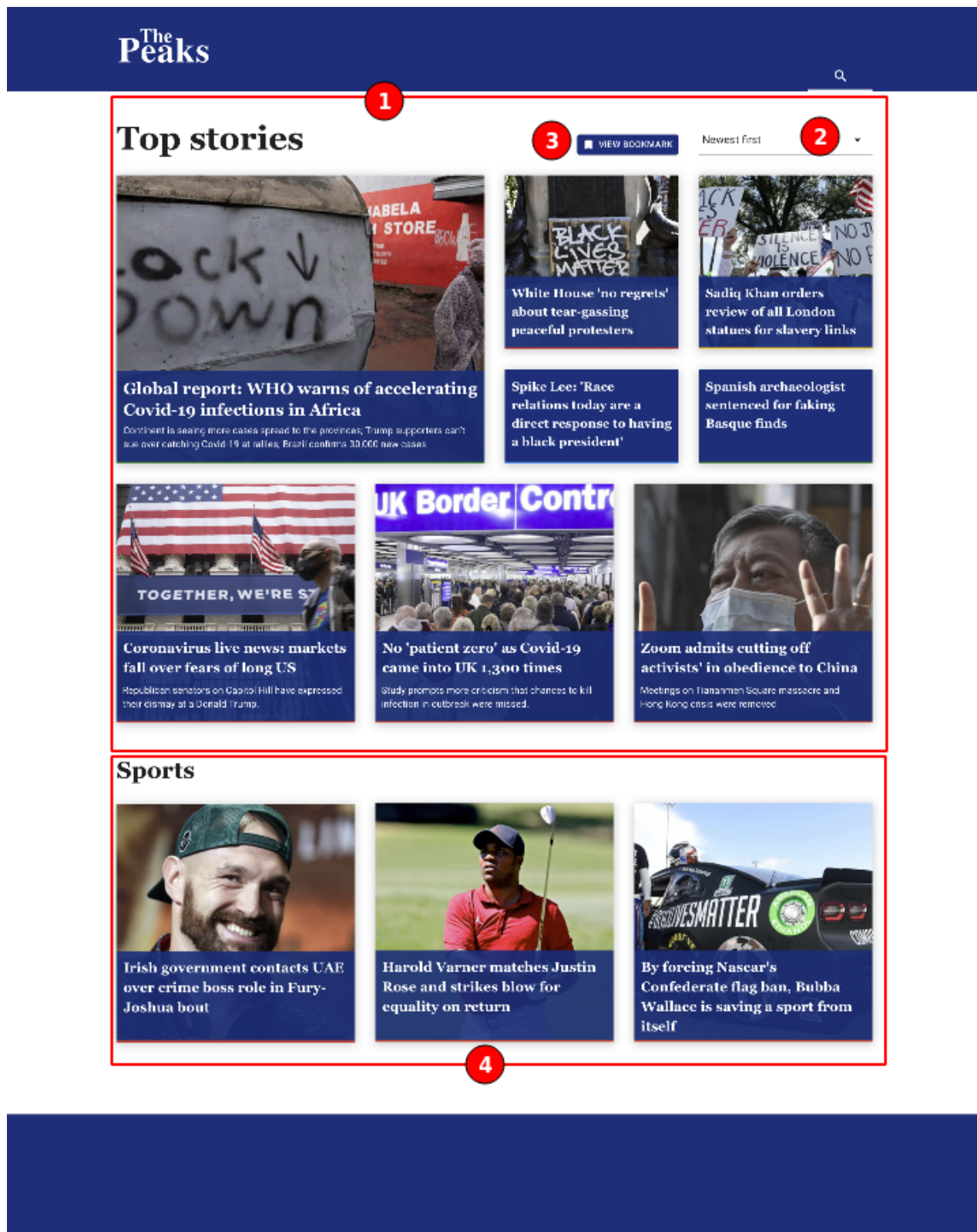
Content area is the main section for showing app content, this will be changed according to the page that is opened, which includes:

- [Homepage](#)
- [Search Result](#)

And also the [loading screen](#) which will be displayed on any pages that are being loaded.

Home page

<https://www.figma.com/file/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0%3A2>



Home page screen spec

#	Name	Description	Type	Value
1	Top story section	A section where all top news get listed API	Section	Result from api with [section=news] filter
2	Article Sorting	A dropdown list to select an article sorting strategy	Dropdown	Options: <ul style="list-style-type: none"> Newest First Oldest First Default: Newest First
3	View Bookmark	View bookmark button	Button	View Bookmark
4	Category based news section	A section where all news in a particular category gets listed	Section	Result from api with [section=sport culture lifeandstyle] filter

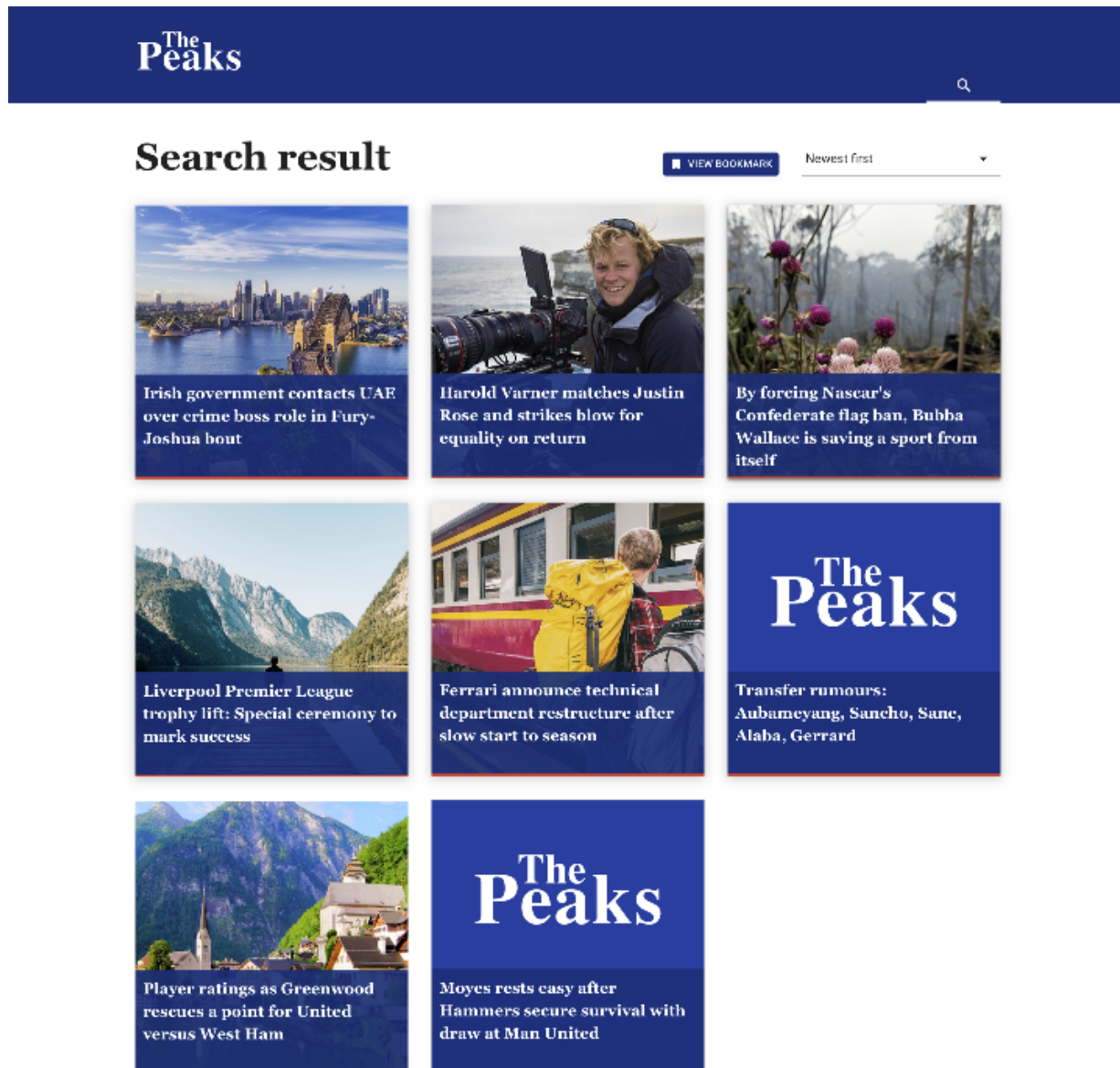
User Stories

#	User Story	Acceptance Criteria
3.1	As a user, I want to see the loading screen, So I know the site is still working.	Given a pending site. When: articles are being loaded. Then: I should see a progress bar showing a loading status.
3.2	As a user, I want to see a list of news articles, So that I can browse them.	Given a loaded website. When: I first visit the site. Then: I should see the list of articles based on its category.
3.3	As a user, I want to sort the news article, So that I can browse news based on time published.	Given a loaded website, with all articles listed. When: I first visit the site. Then: I should see the list of articles listed by newest first.
		Given a loaded website, with all articles listed. When: I select the oldest first <i>Home page screen spec (2)</i> . Then: I should see the oldest articles listed first then followed by a newer published article.

3.4	As a user, I want to see full news articles, So that I can get more details on each news.	<p>Given a loaded website, with all articles listed.</p> <p>When: I click on a single news card.</p> <p>Then: the site should be navigated to an Article Page.</p>
3.5	As a user, I want to see the saved articles button, So that I can navigate to a saved article page.	<p>Given a loaded website.</p> <p>When: I first visit the site.</p> <p>Then: I should see the View Bookmark button, <i>Home page screen spec (4)</i>.</p>
		<p>Given a loaded website.</p> <p>When: I click on the View Bookmark button, <i>Home page screen spec (4)</i>.</p> <p>Then: I should be navigated to a Saved Article Page.</p>

Search Result

<https://www.figma.com/file/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0%3A26>



Search result screen spec

#	Name	Description	Type	Remarks
1	Search Result	A section to show articles that are related to the search term.	Section	<p>All cards listed here will be a News card with an image. In case of no image return from the API, use The Peaks image placeholder.</p> <p>Cards should be loaded from api by 15 elements and paginate with infinite scroll.</p>

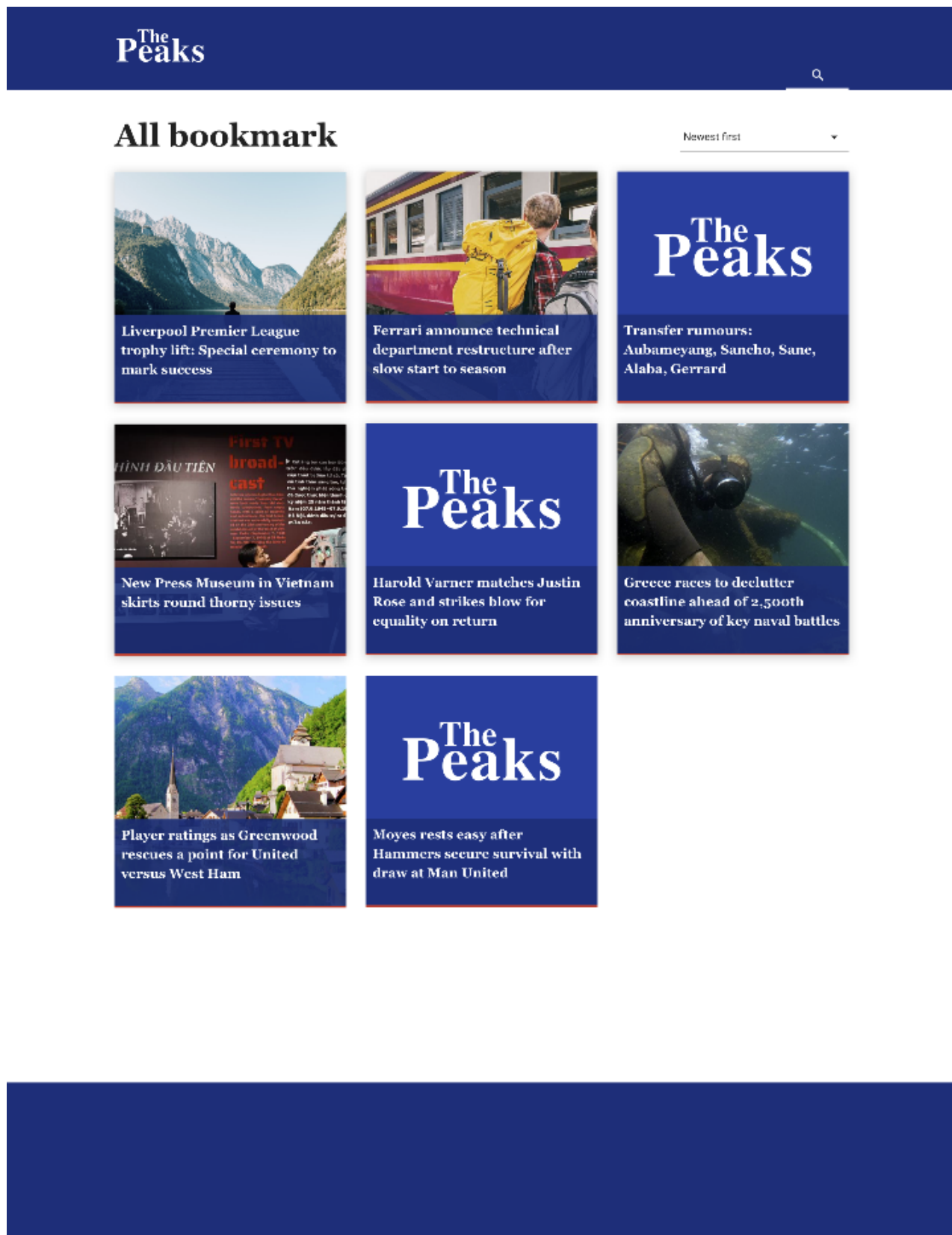
User Stories

#	User Story	Acceptance Criteria
4.1	As a user, I want to see the loading screen, So I know the site is still working.	<p>Given a pending site.</p> <p>When: articles are being loaded.</p> <p>Then: I should see a progress bar showing a loading status.</p>
4.2	As a user, I want to see a list of news articles based on the search query, So that I can browse them.	<p>Given a loaded website.</p> <p>When: I enter a search query.</p> <p>Then: I should see the list of articles based on a search query. Articles should be loaded from api by 15 elements and paginate with infinite scroll.</p>
4.3	As a user, I want to sort the news article, So that I can browse news based on time published.	<p>Given a loaded website, with all articles listed.</p> <p>When: The news articles are loaded.</p> <p>Then: I should see the list of articles listed by newest first.</p>
		<p>Given a loaded website, with all articles listed.</p> <p>When: I select the oldest first <i>Home page screen spec (2)</i>.</p> <p>Then: I should see the oldest articles listed first then followed by a newer published article.</p>

4.4	As a user, I want to see full news articles, So that I can get more details on each news.	<p>Given a loaded website, with all articles listed.</p> <p>When: I click on a single news card.</p> <p>Then: the site should be navigated to an Article Page.</p>
4.5	As a user, I want to see the saved articles button, So that I can navigate to a saved article page.	<p>Given a loaded website.</p> <p>When: I first visit the site.</p> <p>Then: I should see the View Bookmark button, <i>Home page screen spec (4)</i>.</p>
		<p>Given a loaded website.</p> <p>When: I click on the View Bookmark button, <i>Home page screen spec (4)</i>.</p> <p>Then: I should be navigated to a Saved Article Page.</p>

All Bookmark Page

<https://www.figma.com/file/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0%3A63>



Saved article screen spec

#	Name	Description	Type	Remarks
1	All bookmark section	A section to show all saved articles.	Section	All cards listed here will be a News card with an image. In case of no image return from the API, use The Peaks image placeholder.

User Stories

#	User Story	Acceptance Criteria
5.1	As a user, I want to see the loading screen, So I know the site is still working.	<p>Given a pending site.</p> <p>When: articles are being loaded.</p> <p>Then: I should see a progress bar showing a loading status.</p>
5.2	As a user, I want to see a list of saved news articles, So that I can browse them.	<p>Given a loaded website</p> <p>When: the articles are being loaded</p> <p>Then: I should see the list of saved articles.</p>
4.3	As a user, I want to sort the news article, So that I can browse news based on time published.	<p>Given a loaded website, with all saved articles listed</p> <p>When: the news articles are loaded</p> <p>Then: I should see the list of saved articles based listed by newest first</p>
		<p>Given a loaded website, with all articles listed.</p> <p>When: I select the oldest first <i>Home page screen spec (2)</i>.</p> <p>Then: I should see the oldest articles listed first then followed by a newer published article.</p>
4.4	As a user, I want to see full news articles, So that I can get more details on each news.	<p>Given a loaded website, with all articles listed.</p> <p>When: I click on a single news card.</p> <p>Then: the site should be navigated to an Article Page.</p>

Article page

<https://www.figma.com/file/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0%3A124>



Article page screen spec

No	Name	Description	Type	API Reference
1	Bookmark button	A button to save articles into a bookmark list.	Button	-
2	Article date/time	A link to category page: sports.	Date Time	webPublicationDate
3	Article Title	A link to category page: culture.	Text	webTitle

4	Article Headline (optional)	An article headline, show this paragraph if it's available.	Text	headline
5	Article Details	A long text contains an article body.	Text	body
6	Article media (optional)	An associated media element such as images and audio.	Media	show-elements
7	Remove Bookmark button	A button to remove an article from a bookmark list.	Button	-

User Stories

#	User Story	Acceptance Criteria
7.1	As a user, I want to see an article page rendered with all data fields, So that I can read the news details.	<p>Given a loaded article page.</p> <p>When: I visit the page</p> <p>Then: I should see <i>Article page screen spec (2,3,4,5)</i> on the screen.</p>
7.2	As a user, I want to bookmark the article, So that I can access them later at home screen.	<p>Given a loaded article page.</p> <p>When: I click bookmark button, <i>Article page screen spec (1)</i></p> <p>Then: I should see the snackbar showing that the article has been save</p>
		<p>Given a loaded article page.</p> <p>When: I click bookmark button, <i>Article page screen spec (1)</i></p> <p>Then: I should see remove Bookmark button, , <i>Article page screen spec (7)</i></p>
7.3	As a user, I want to remove a bookmarked article, So that I can remove the saved articles from the bookmark list.	<p>Given a loaded article page.</p> <p>When: I click remove bookmark button, <i>Article page screen spec (7)</i></p> <p>Then: I should see the snackbar showing that the article has been removed</p>
		<p>Given a loaded article page.</p> <p>When: I click remove bookmark button, <i>Article page screen spec (7)</i></p> <p>Then: I should see Bookmark button, <i>Article page screen spec (1)</i></p>

Appendix

News Cards

There are two types of news cards which are

1. News with image card



Article page screen spec

No	Name	Description	Type	API Reference
1	Media	A media placeholder, show The Peaks image if the article contains no media.	Image	-
2	Title	Article title	Text	<code>webTitle</code>
3	Body	Article body	Text	<code>body</code>

2. Only title news card



Article page screen spec

No	Name	Description	Type	API Reference
1	Title	Article title	Text	<code>webTitle</code>

Loading Screen

This screen with a progress animation will be shown whenever the site is fetching contents.

The
Peaks

