

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

APIs

Requirements for this project were built upon <u>The Guardian Open platform</u>, 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 😬



Main Layout

Peaks



Top stories





■ VIEW BOOKMARK





Newest first



Sadiq Khan orders review of all London statues for slavery links

Spanish archaeologist sentenced for faking Basque finds









Sports

Joshua bout







Rose and strikes blow for equality on return



#	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.	

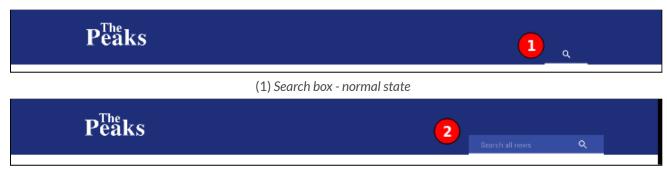
Navigation area



User Stories

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

Search box



(2) Search box - focus state



User Stories

#	User Story	Acceptance Criteria	
2.1	As a user, I want to search for news articles	Given a loaded website, on any pages.	
	based on my interested keywords, So I can see a list of news articles that match my search query.	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: 1. A loaded website, on any pages. 2. The search box is in focus. 3. The query has been filled.	
		When: 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:

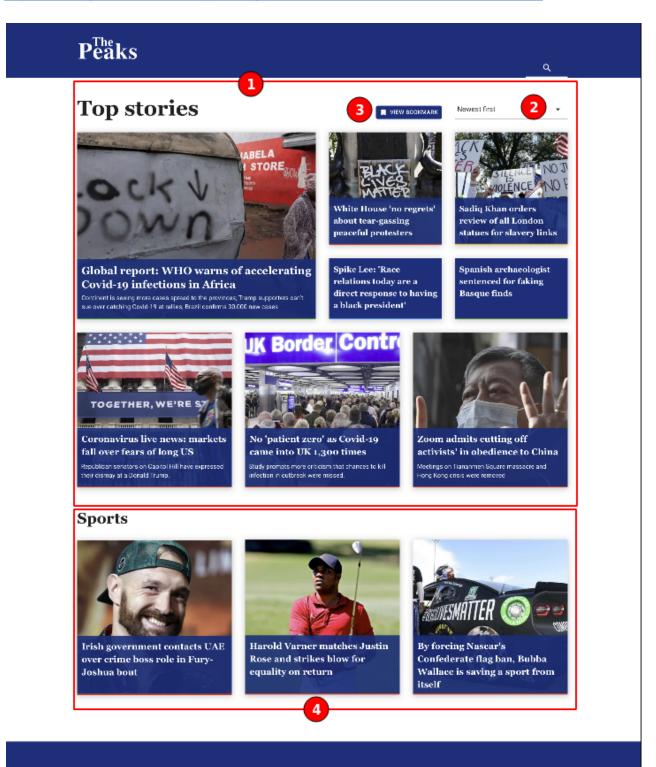
- Homepage
- Search Result

And also the <u>loading screen</u> 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	Туре	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: 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 Story	Acceptance Criteria
3.1	As a user, I want to see the loading screen, So I	Given a pending site.
	know the site is still working.	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	Given a loaded website.
	that I can browse them.	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	Given a loaded website, with all articles listed.
	I can browse news based on time published.	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</i> (2).
		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.	Given a loaded website, with all articles listed. When: I click on a single news card. Then: the site should be navigated to an Article Page.
3.5	As a user, I want to see the saved articles button, So that I can navigate to a saved article page.	Given a loaded website. When: I first visit the site. Then: I should see the View Bookmark button, Home page screen spec (4).
		Given a loaded website. When: I click on the View Bookmark button, Home page screen spec (4). Then: I should be navigated to a Saved Article Page.



Search Result

 $\underline{https://www.figma.com/file/DR9f1p9nTfWgaaOcXcwLvZ/Frontend-UI-Test?node-id=0\%3A26}$



Search result



Irish government contacts UAE over crime boss role in Fury-Joshua bout



Harold Varner matches Justin Rose and strikes blow for equality on return



Newest first

■ VIEW BOOKMARK

By forcing Nascar's Confederate flag ban, Bubba Wallace is saving a sport from itself



Liverpool Premier League trophy lift: Special ceremony to mark success



slow start to season



Transfer rumours: Aubameyang, Sancho, Sanc, Alaba, Gerrard







Search result screen spec

#	Name	Description	Туре	Remarks
1	Search Result	A section to show articles that are related to the search term.	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. Cards should be loaded from api by 15 elements and paginate with infinite scroll.

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



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



All Bookmark Page

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

Peaks

All bookmark



trophy lift: Special ceremony to mark success







Newest first















Saved article screen spec

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



Article page

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

Peaks

Q



- 2 FRI 12 JUN 2020 06,40 BST
- Global report: WHO warns of accelerating Covid-19 infections in Africa
- Continent is seeing more cases spread to the provinces; Trump supporters can't sue over catching Covid-19 at rallies; Brazil confirms 30,000 new cases

South Africa is the worst affected country on the continent, with more than a quarter of all infections. But most countries have fewer than 1,000 infections, said Moeti, and the UN does not believe that severe cases are going undetected.

Africa has recorded fewer than 5,000 deaths, according to an AFP tally, but just five countries account for 70% of these South Africa, Algeria, Nigeria, Egypt and Sudan.

In Africs, "the pandemic is still concentrated in and around capital cities but we are seeing more and more cases spread out into the provinces," Moeti said.

She said that in most countries on the continent, the virus entered capitals through international flights from Europe.

Africals relatively young population compared to other continents, and in built experience of dealing with disease outbreaks have been clied as reasons why Africa has not so far seen the death rates experienced on other continents.

Moeti said early action by African countries had helped keep the numbers low - but constant

The US remains the worst-affected country worldwide, passing 2 million infections on Thursday. Spikes have been recorded in several states, including Adzona, which is confirming more than 1,000 cases cally.

US president Dorald Trump has introduced a policy stopping attendees at his rallies from suing the campaign or verue if they contract organizations the events. A statement on the campaign website page for a rally in Tulsa says: "By clicking register below, you are acknowledging that an inherent risk of exposure to COVID-19 exists in any public place where people are present. By attending the fially, you and any quests voluntarily assume all risks related to exposure to COVID-19 and agree not to



A woman walks along a flooded road amidst a sterm in the Masiphumelele informal settlement in Capa Town Photograph: Ne Bothma/EPA

Peaks Q REMOVE BOOKMARK FRI 12 JUN 2020 06,40 BST

Article page screen spec

No	Name	Description	Туре	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 Story	Acceptance Criteria	
7.1	As a user, I want to see an article page rendered	Given a loaded article page.	
	with all data fields, So that I can read the news details.	When: I visit the page	
		Then: I should see Article page screen spec (2,3,4,5) on the screen.	
7.2	As a user, I want to bookmark the article, So that I can access them later at home screen.	Given a loaded article page.	
	reali access them later at nome screen.	When: I click bookmark button, Article page screen spec (1)	
		Then: I should see the snackbar showing that the article has been save	
		Given a loaded article page. When: I click bookmark button, Article page screen spec (1)	
		Then : I should see remove Bookmark button,, Article page screen spec (7)	
7.3	As a user, I want to remove a bookmarked article, So that I can remove the saved articles	Given a loaded article page.	
	from the bookmark list.	When : I click remove bookmark button, Article page screen spec (7)	
		Then : I should see the snackbar showing that the article has been removed	
		Given a loaded article page.	
		When: I click remove bookmark button, Article page screen spec (7)	
		Then : I should see Bookmark button, Article page screen spec (1)	



Appendix

News Cards

There are two types of news cards which are

1. News with image card



Article page screen spec

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



2. Only title news card



Article page screen spec

No	Name	Description	Туре	API Reference
1	Title	Article title	Text	webTitle



Loading Screen

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



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