



## CMPT 350 Project

NSID:  
hep656

Name:  
Hee Soo Park  
(#11153168)

For any inquiries  
[hep656@usask.ca](mailto:hep656@usask.ca)

Purpose

Main Idea

Goal

With Global pandemic continues to have huge impact on our life (health, work, school, family).

I believe people are may not be up to date with Covid-19.

I wanted to use this opportunity to create a website to help raise the awareness of the Covid-19 pandemic, also to inform people of latest news regarding Covid-19.

News articles and videos are updated for users to be informed daily.

Also videos can help inform people who are on the move to listen to new videos.

User posts are another big part of this website, users can post their thoughts and information about Covid-19 and also view other peoples post.

This website is intended to be informed and interact with other via web, during this pandemic.

A high-angle, slightly blurred photograph of a person sitting at a dark wooden desk. The person is wearing a teal-colored short-sleeved shirt and a dark wristwatch on their left wrist. Their hands are resting on their lap. On the desk in front of them is a white computer keyboard and a white computer mouse. A thin white line is visible on the desk surface, possibly a cable. The background shows a light-colored wooden floor. Overlaid on the image is a white rectangular box containing the word "Demo" in a sans-serif font, with the "D" in orange and the rest in white. A short white horizontal line is positioned below the text.

Demo

A high-angle, slightly blurred photograph of a person sitting at a dark wooden desk. The person is wearing a teal-colored short-sleeved shirt and a dark wristwatch on their left wrist. Their hands are resting on their lap. On the desk in front of them is a white computer keyboard and a white computer mouse. A thin white line is visible on the desk surface, possibly a cable. The background shows a light-colored wooden floor. Overlaid on the image is a white rectangular box containing the word "Features" in a sans-serif font. The letter "F" is orange, and the rest of the word is white. A thin white horizontal line is positioned below the text.

# Features

# Features

- Login** : firebase authentication; User stays logged in until user wishes to “log-out”.
- Register** : Valid email register, firebase authentication.
- News-Slider** : Transition Slide of “Canadian News” articles in “health” category regards to “Covid-19”
- News-Article** : Popup page of New article user clicks. Contains detailed info of content and image.
- News-List** : List of News Articles with image, title, publisher, and date.
- Videos** : High Definition Youtube videos regards to Covid-19 News by relevance.
- Dashboard** : Allows “logged-in” users to create an article they wish to share about “Covid-19” with Image.
- Posts** : Show user posted posts.
- File Uploader** : firebase storage, allows user to upload image with post.
- Logout** : firebase deauthentication; User stays logged out until user wishes to “log-in”.
- Load-More** : Load more articles/videos upon user request.
- Side-Navigation** : Show list of directories. List of directories are dependent of “log-in” status.

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Technology





# Technology

Front-End : ReactJS, CSS, HTML

Back-End : Firebase

API-request : axios

Version-Control: Github

Testing: React-debugger, web-browser



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# Challenges



# Challenges

- **API request** : using two different APIs for Articles and Videos, it was challenging to request a specific data and parse through different types of JSON to fit my need.
- **API key** : Because I was using google API, and it had number of request per day restrictions, which I was unaware of.
- **Firebase** : Accessing the database and storage from firebase was not working synchronously.
- **Security-Restrictions** : using “https” from different domain, creates Cross-domain error, therefore I had to create my own articles from the JSON data
- **JSON** : parsing through array of JSON using .map was very confusing.
- **File-Upload** : submitting images to firebase and requesting from firebase-storage.
- **ReactJS** : Learning new libraries and features of React was very time consuming.
- **Covid-19** : Very difficult circumstance

A high-angle, slightly blurred photograph of a person sitting at a dark wooden desk. The person is wearing a teal-colored short-sleeved shirt and a dark wristwatch on their left wrist. Their hands are clasped together near their face. On the desk in front of them is a white computer keyboard and a white computer mouse. A thin white line is visible on the desk surface, possibly a cable. The background shows a light-colored wooden floor. Overlaid on the image is a white rectangular box containing the word "Future" in a sans-serif font. The letter "F" is orange, and the rest of the word is white. A thin white horizontal line is positioned below the text.

Future

A background image showing a person from the chest down, sitting and crossing their arms. They are wearing a blue short-sleeved shirt and a black wristwatch on their left wrist. The background is a light-colored, textured surface, possibly a wall or a large piece of paper.

# Future

- I wish to create this website for different languages and different cities, and retrieve the news and videos to the corresponding country/city.
- I wish to deploy this site after I work on this with more features.

Thank You  
Stay Safe!

-- For more inquiries --  
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