

Senior Project 1

“Everything COvid”

Progress Report

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The platform we have decided to construct is a high-level, multifunctional website that will help us navigate the Covid-19 pandemic and regain control of our lives. The Covid –19 pandemic first showed up on December 12, 2019, in Wuhan, Hubei Province when a cluster of patients began to experience shortness of breath and fever. Since then, the number of cases began to increase, then on January 7, 2020, Chinese authorities identified and isolated a novel coronavirus as the causative agent of the outbreak. The Coronavirus disease (COVID-19) is an infectious disease caused by the SARS-CoV-2 virus. Most people infected with the virus will experience mild to moderate respiratory illness and recover without requiring special treatment. However, some will become seriously ill and require medical attention. Older people and those with underlying medical conditions like cardiovascular disease, diabetes, chronic respiratory disease, or cancer are more likely to develop serious illnesses. Anyone can get sick with COVID-19 and become seriously ill or die at any age. Living in such a high-risk society made many people more concerned about their health and the health of their families. In the wake of this pandemic, there was a worldwide lockdown on all non-essential entities including public and private businesses. This led to increased use of online and eCommerce businesses and platforms. The pandemic pushed even more U.S. consumers online, contributing an additional $105 billion in U.S. online revenue in 2020, and accelerating eCommerce by two years, Digital Commerce 360 estimates. Online sales hit $791.70 billion in 2020, up 32.4% from $598.02 billion in the prior year, according to Commerce Department figures. Ecommerce thrived in 2020 because of store closures and shoppers’ fear of contracting the coronavirus in public.

With over four different variants here in the US and we seem to still be counting, we believe as a group that more serious mitigative measures are needed, it is almost safe to say that this covid-19 virus is here to stay and even safer for us to embrace our new lives going forward with this virus as a part of it. For this reason, we have decided as a group to create a platform that would help the fight against the spread of this COVID-19 namely, “Everything covid: the one-stop-shop", will serve the purpose of being that central destination to purchase anything related to covid-19 whether it be for preventative, during and even after encountering the virus. It is deemed necessary as not many or maybe no website at all offers the services we will offer on our platform. Not only will one be able to purchase items such as masks, sanitizers, disinfectants, covid-19 tests kits, etc.; but there will be the easy process of being able to schedule vaccination and testing appointments. Our target audiences range from men and women ages 21 through 85 which will be our primary focus because this is the age group who are at a higher risk of both contracting and spreading the virus. While our secondary audience will be those individuals who are not directly affected but come in contact but those who make Covid related materials such as doctor and scientist who makes the vaccines such as Pfizer Moderna and Johnson and Johnson, mask manufacturers, and even anti maskers. And finally, we think this will be beneficial as we are at a stage in this pandemic where we are trying to take preventative measures to minimize contracting the virus; or limiting the spread if we find ourselves positive and get access to the resources and support that we may need. Our platform will host the following features:

* Membership login – We will provide a free membership feature that will allow everyone who accesses the website to create a personalized account where their frequent activities, products, appointments, etc. will be saved and easily retrievable.
* Member Security – Every account will be secured with personalized username and password. We will also implement two factor authentication where they will be able to use a phone number or secondary email address for authentication.

Buying/selling customers - our platform will be available for not only buyers but different companies are free to sell their covid prevention products via our website.

Masks- There will be k-95 masks sold on the Website since this is what is required by the CDC.

* Testing kits- There will be FDA approved rapid antigen pre-travel testing, to name a few:

1.BinaxNow

2.QuickVue

3.FlowFlex

4.iHealth

* Link to schedule appointments – This is a user-friendly feature where users for members of the platform get to schedule appointments for Either Covid-19 testing, or vaccinations based on their respective geographical location.
* Tracking covid in states (in case somebody wants to take a trip) - Tracking Covid spikes, outbreaks, and new variants based on news reports from the CDC and World health organization.
* Mental and emotional support – By hosting anonymous chat room where people can talk about the impacts of Covid.
* The Implementation of COVIn OR COvesha which is an AI chatbot that will communicate with users when requested help about Covid related material on the Website. With the Use of SAP chat Bot Platform.
* Terms and policies - All sellers must:
* Provide accurate information to “Everything COvid” and our customers at all times.
* Act fairly and not misuse Everything COvid's features or services.
* Not attempt to damage or abuse another Seller, their listings, or ratings.
* Not attempt to influence customers' ratings, feedback, and reviews.

In conclusion, we have decided to challenge ourselves with this particular task as it will not only help develop our skills but is contributing to a major issue we currently face as a nation. We hope to be able to utilize our skills as a team as we equally distribute tasks amongst each group member; as our goal, in the end, is to successfully create a fully functional user-friendly website/platform.

References

<https://www.cdc.gov/museum/timeline/covid19.html#:~:text=December%2012%2C%202019%20A,of%20breath%20and%20fever>.

<https://www.who.int/health-topics/coronavirus#tab=tab_1>

<https://www.digitalcommerce360.com/article/coronavirus-impact-online-retail/>

Covid resources sites that might be similar to ours but they do not have a compilation of everything:

<https://www.nami.org/Support-Education/NAMI-HelpLine/COVID-19-Information-and-Resources/COVID-19-Resource-and-Information-Guide>

<https://www.optum.com/covid-19/covid-19-emotional-support.html>

<https://www.usa.gov/coronavirus>

<https://www.longcovid.org/>

<https://coronavirus.dc.gov/page/coronavirus-covid-19-resources>

Workload distributions

UI design