

# Covid-19 Prevention Online Information Systems

Dr. John Wang, Professor of Computer Science, Virginia Wesleyan University

# Backgrounds

This project was done by Tyson for an online database course two years ago when Covid-19 just started in America

- Now we are facing tridemic of flu, RSV, Covid that would be more challenge than before
- This project served as a mini-version of CDC or Johns Hopkin's website for preventing Covid
- Educational, informational and simple website

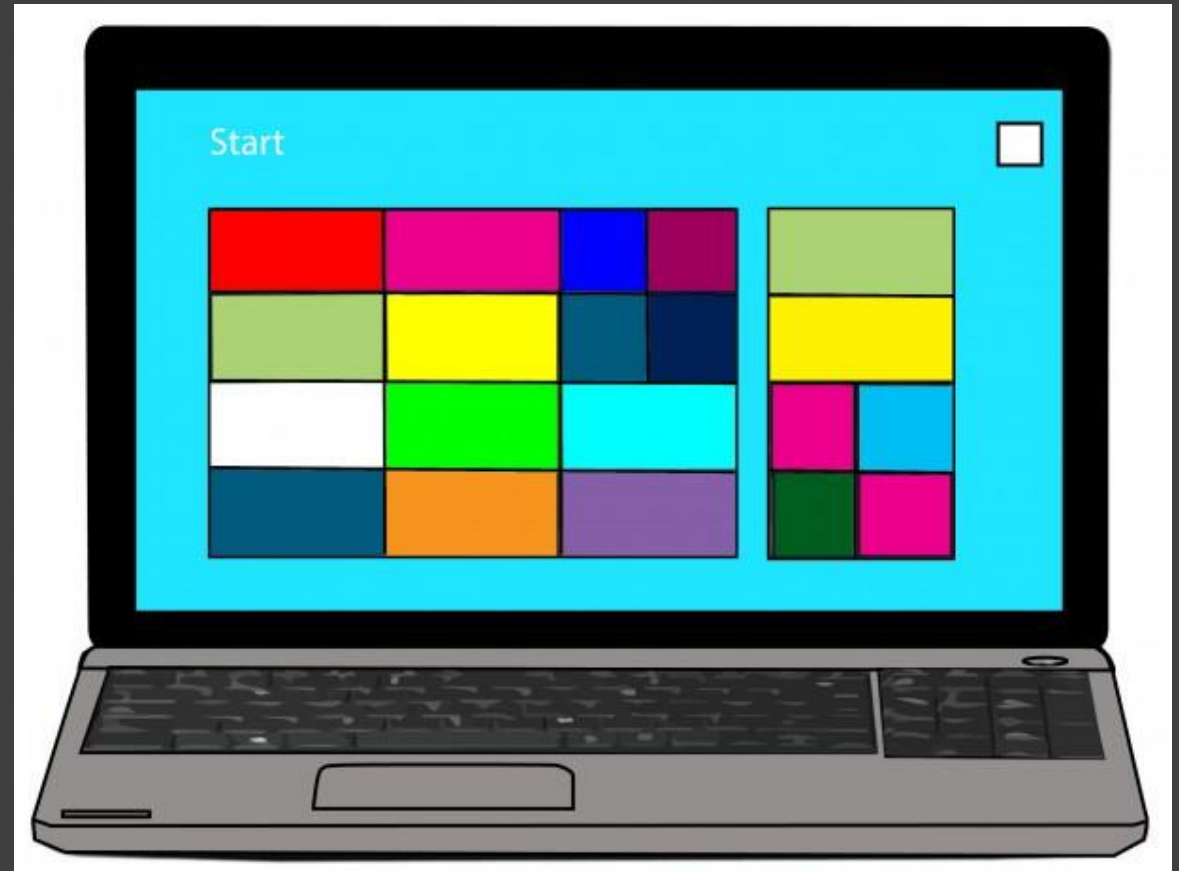
# Introduction

This website provides users with the necessary information they need to know about Covid-19 such as:

- Gives a variety of tips on how to prevent getting Covid-19
- Informs users on who to contact in case of emergency or if they have further questions
- Also provides a self-assessment survey for people to see if they may have contracted Covid-19

# Programs Utilized

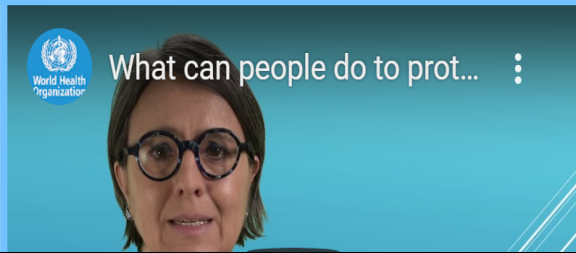
- HTML
- PHP
- MYSQL
- CSS



## How to prevent COVID-19!!!!

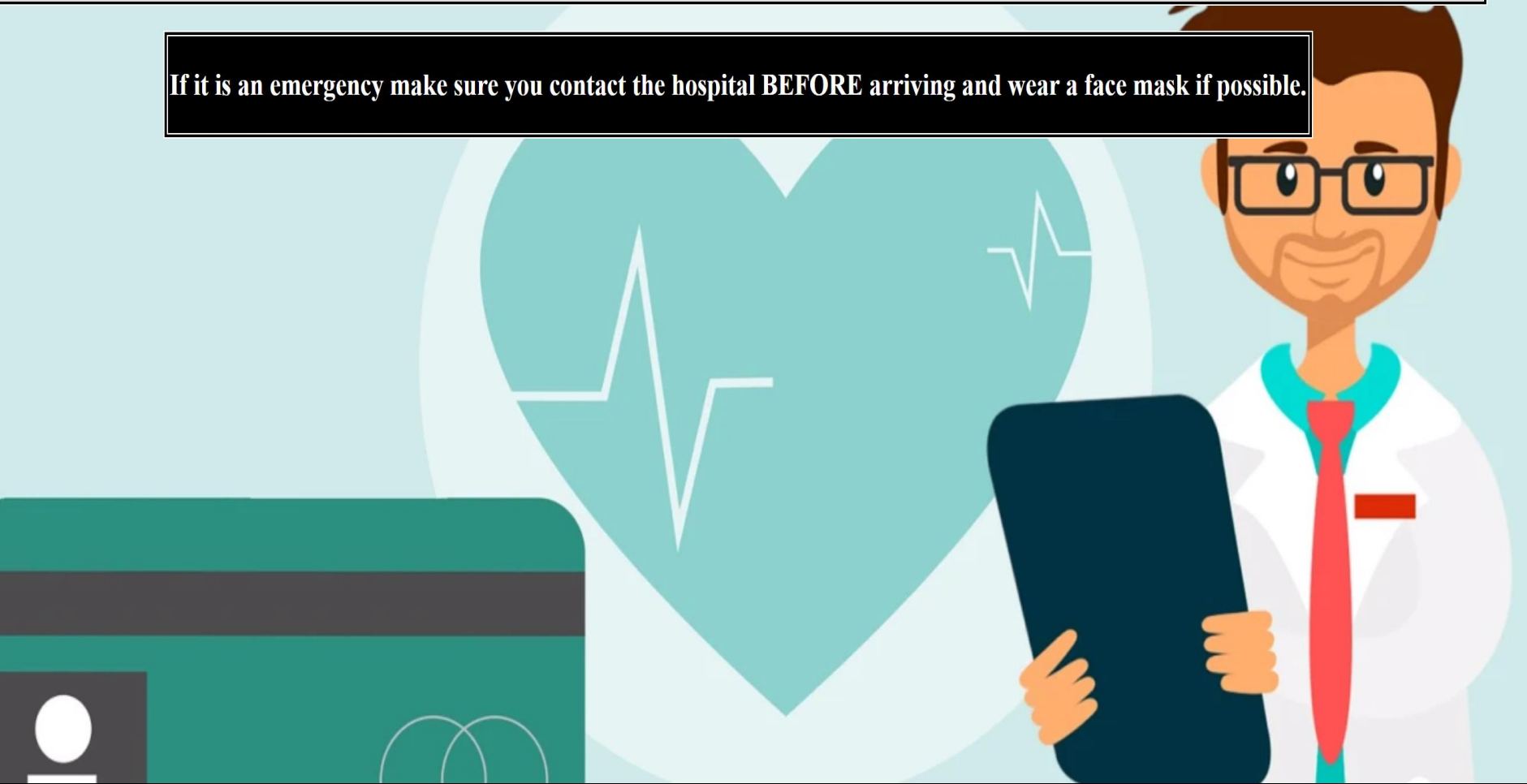
- Wash your hands frequently for at least 20 seconds, using soap and water, or use a hand sanitizer with at least 60% alcohol.
  - Stay 6 feet away from people in public places and avoid people who appear sick
  - Cough or sneeze into a tissue or your elbow, and throw away your tissue.
  - Clean and disinfect objects and surfaces that people frequently touch
    - Avoid touching your eyes, nose or mouth with unwashed hands.
      - Stay home as much as possible, and reduce visitors
      - Avoid people who are sick, sneezing or coughing

- 1) Wear masks
- 2) Clean hands
- 3) Gargle salt water or tea
- 4) Smell fresh-cut onion
- 5) Drink plenty of warm water or tea



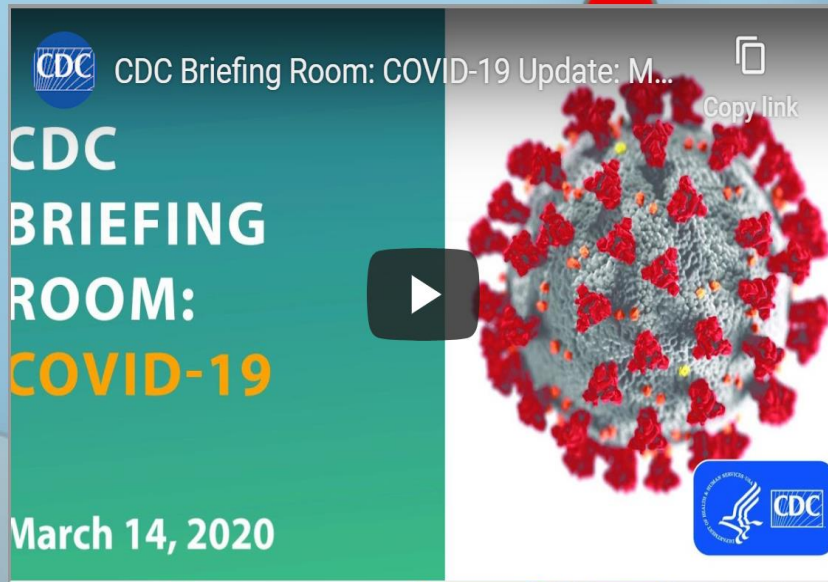
If your healthcare provider isn't comfortable with evaluating you or if you don't have a doctor, contact your [local board of health department](#)

If it is an emergency make sure you contact the hospital **BEFORE** arriving and wear a face mask if possible.



Website Design  
(Contact Info)

## What Is Coronavirus (COVID-19)?



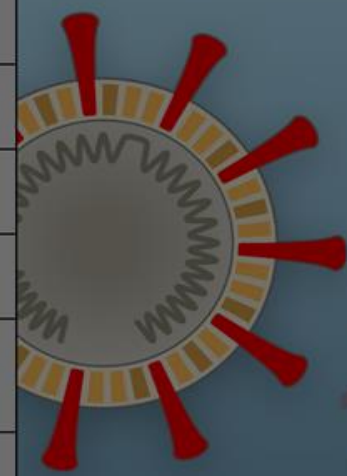
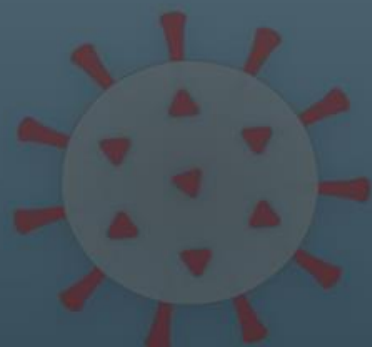
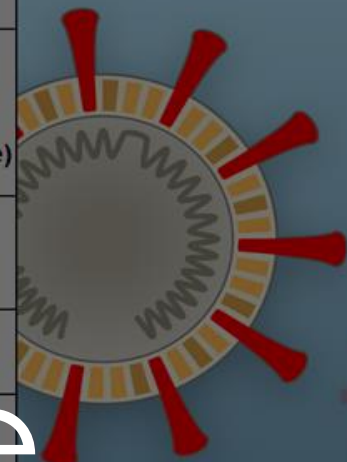
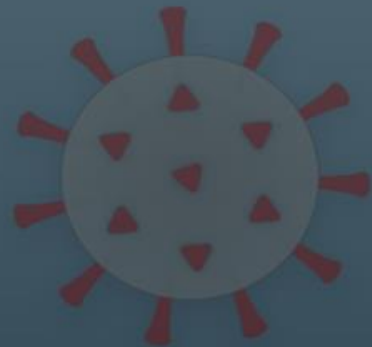
Click [here](#) for the total current number of cases.

Click [here](#) to see the difference between Cold vs. Flu vs. Allergies vs. COVID-19

Website Design  
(Helpful Info)

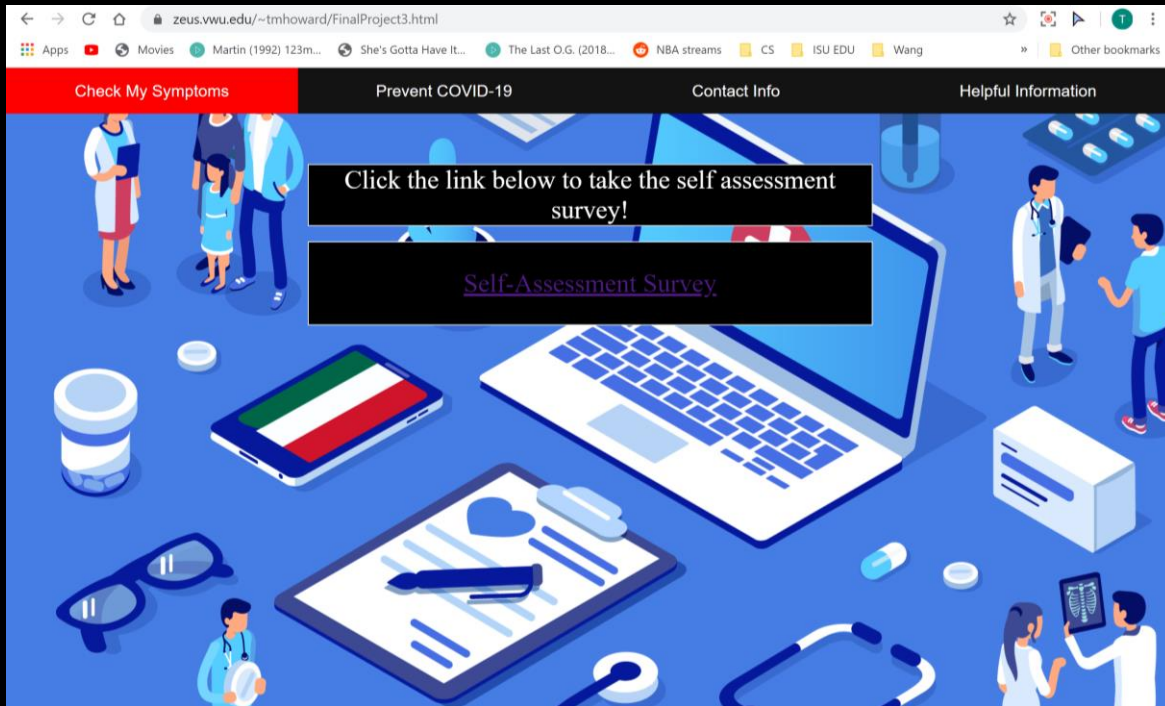
Cold vs. Flu vs. Allergies vs. COVID-19				
Symptoms	Cold	Flu	Allergies	COVID-19 (can range from moderate to severe)
Fever	Rare	High (100-102 F), Can last 3-4 days	Never	Common
Headache	Rare	Intense	Uncommon	Can be present
General aches and pains	Slight	Usual, often severe	Never	Can be present
Fatigue, weakness	Mild	Intense, can last up to 2-3 weeks	Sometimes	Can be present
Extreme exhaustion	Never	Usual (starts early)	Never	Can be present
Stuffy/runny nose	Common	Sometimes	Common	Has been reported
Sneezing	Usual	Sometimes	Usual	Has been reported
Sore throat	Common	Common	Sometimes	Has been reported
Cough	Mild to moderate	Common, can become severe	Sometimes	Common
Shortness of breath	Rare	Rare	Rare, except for those with allergic asthma	In more serious infections

# Symptoms Table





# Website Design (Check Symptoms)

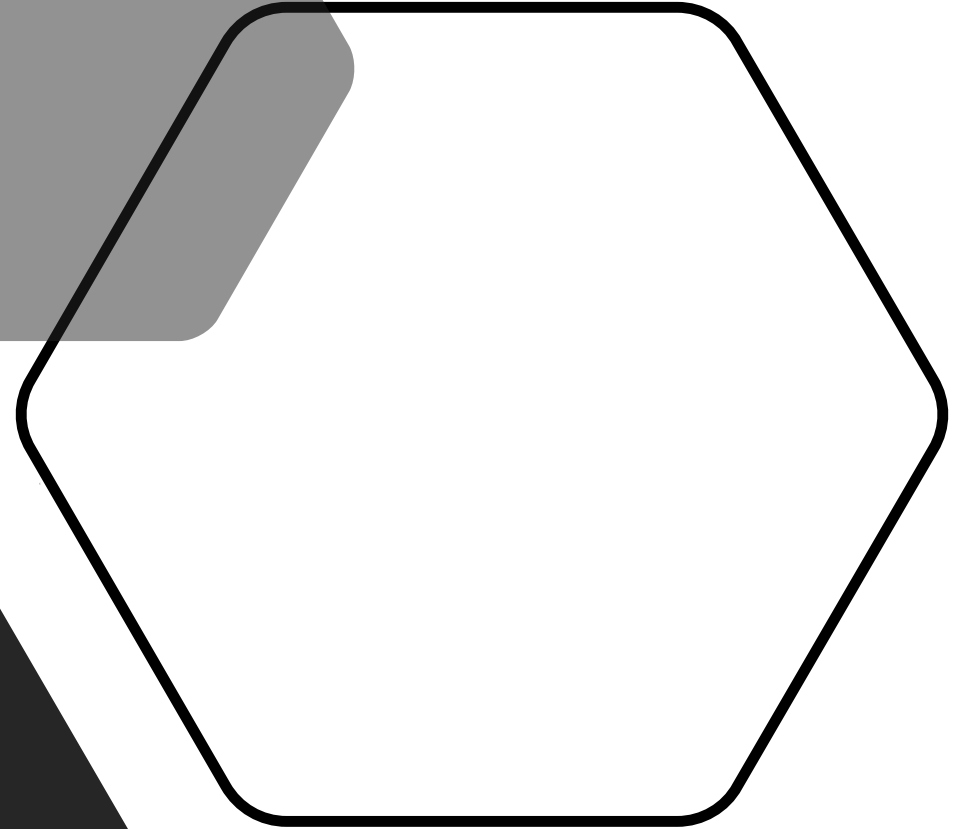
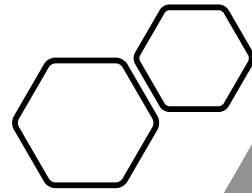


The screenshot shows a web browser at the URL `zeus.vwu.edu/~tmhoward/covidsurvey1.php`. The page title is "COVID-19 Self Assessment Survey". The form includes the following fields and options:

- Name:
- Gender:
  - Male
  - Female
- Age:
- Do you have any of the following symptoms?
  - Fever
  - Sore Throat
  - New Cough
  - New Shortness of Breath
  - New Muscle Aches
  - Unexplained loss of taste or smell
  - Dirrhea
  - Headache
- Response:  YES  NO
- Buttons:

# Important Code

- FinalProject3.html
- covidsurvey1.php
- projectable.php
- covidform.php
- protable.php



# Future Changes



More generalized website theme



Email confirmation



Implement a code where people can only take the survey once



Enable users to create a login

# Work Cited

- <https://zeus.vwu.edu/~tmhoward/FinalProject3.html>
- w3schools. 1999-2019, "W3.CSS Website Templates"  
[https://www.w3schools.com/howto/howto\\_js\\_full\\_page\\_tabs.asp](https://www.w3schools.com/howto/howto_js_full_page_tabs.asp)
- <https://www.cdc.gov/>