CEN: 4010 Principles of Software Engineering, Summer Term, 2020

Team: Anime Lover's

Project Name: The Covid Cove

Team 14

Members :

Ricardo Morales - rmoralessolo2016@fau.edu

Samantha Medina - smedina2017@fau.edu

Zain Cruz - zcruz2018@fau.edu

Adam Fox - foxa2017@fau.edu

June 16, 2020

Group Peer Evaluation (Total:10 pts):

Zain Cruz: 25%

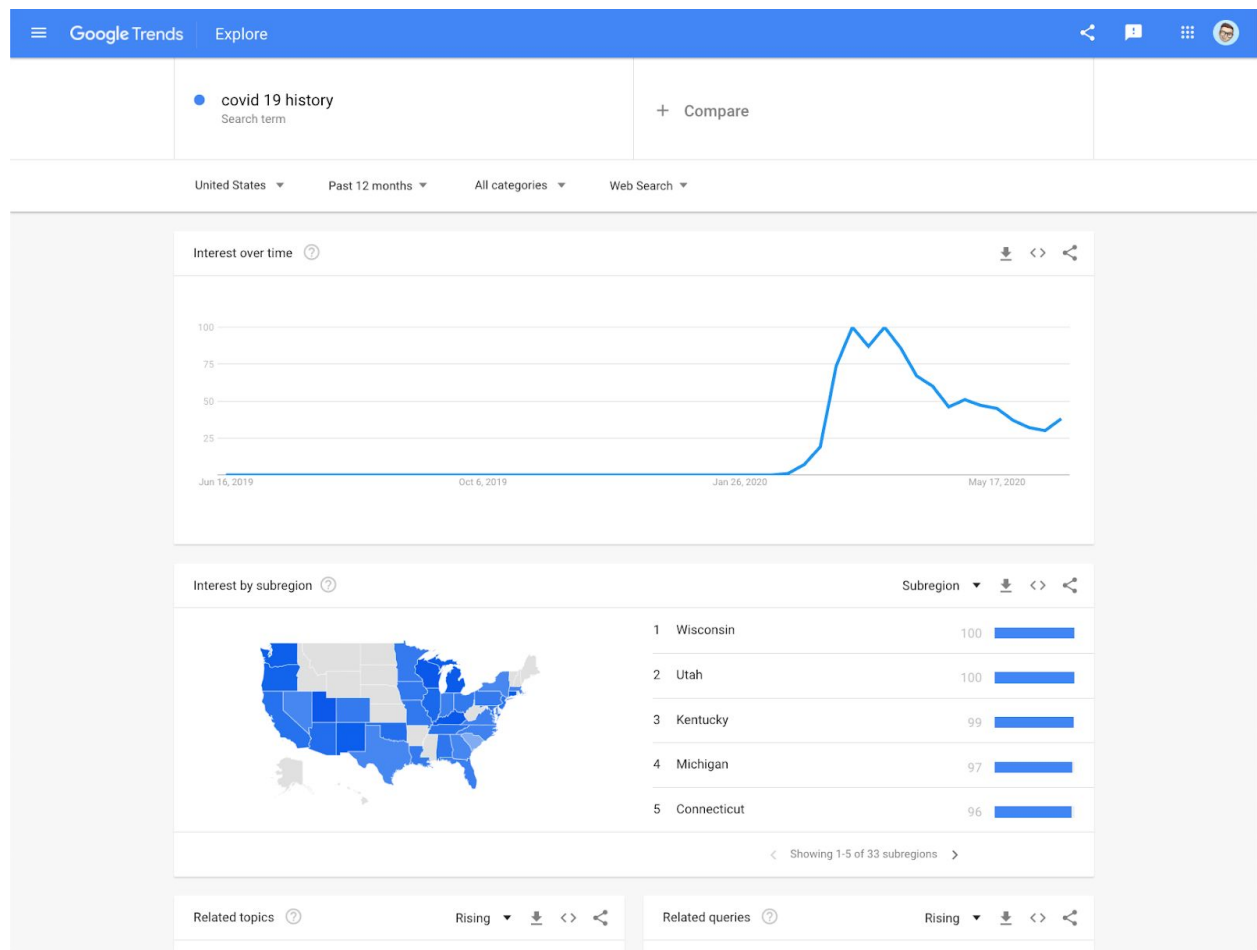Samantha Medina: 25%

Ricardo Morales: 25%

Adam Fox: 25%

Milestone 1

1. **Executive Summary.**

A platformed continuously updating archive with a list of current headlines related around the time period covid-19 has been going on. Once clicked these articles will lead you to a page linking to the actual article as well as a snippet.Then leading to a discord like online user interface experience. On this page people can come together to express their opinions and experiences about the incurring pandemic as well as catch up on all the latest political and scientific research/ news about the virus. There is a whole in the market if you refer to our competitive analysis and the images below. The images show the large interest in the search result covid-19 history. As well as the lack luster amount of websites able to give it in formats the user can handle. How many times have you had to research a source we give you all the best sources at one place.

So the Covid cove will be a newcomer on the digital technology market place. Allowing users who are in a rush an elegant solution to catch up. As well as serving a purpose of keeping an active database for years to come for historians to use. So that when we are not here we can give back to the next generation. Also elegantly displaying various news articles for the

consumer to click on. The following page will have a like button, dislike button, and various other ways to communicate. The longevity of this platform will exist beyond the pandemic as the links on The COVID Cove provide access to information that will be considered important history in retrospect.

About 6,310,000,000 results (0.80 seconds)

www.who.int › ... › Diseases › Coronavirus disease 2019 ▾

Coronavirus (COVID-19) events as they happen

Latest updates on **COVID-19**. ... comes to the value of US$ 1.3 million. It is the first donation in WHO's **history** of a medicine for a noncommunicable disease.

WHO updates COVID-19 · WHO announces COVID-19 ... · Director-General

www.statnews.com › 2020/05/14 › underderstanding-c... ▾

Understanding Covid-19, a 'supernova in human history' - STAT

May 14, 2020 - **Covid-19**, a 'supernova in human **history**,' will need multiple perspectives to understand and manage. By Vinay Prasad and Jeffrey S. Flier.

en.wikipedia.org › wiki › Coronavirus_disease_2019

Coronavirus disease 2019 - Wikipedia

Coronavirus disease 2019 (**COVID-19**) is an infectious disease caused by severe acute ... 4.1 Pathology. 5 Prevention; 6 Management; 7 Prognosis; 8 **History**; 9 Epidemiology. 9.1 Infection fatality rate; 9.2 Sex differences; 9.3 Ethnic differences.

Causes: Severe acute respiratory syndrome c...   **Treatment**: Symptomatic and supportive
Symptoms: Fever, cough, fatigue, shortness of ...   **Deaths**: 340,875 (6.4% of confirmed cases)

COVID-19 vaccine · COVID-19 in pregnancy · Reverse transcription · Li Wenliang

www.nejm.org › doi › full › NEJMp2004361

History in a Crisis — Lessons for Covid-19 | NEJM

Apr 30, 2020 - From herpes and legionnaires' disease in the 1970s, to AIDS, Ebola, the severe acute respiratory syndrome (SARS), and now **Covid-19**, ...

by DS Jones - 2020 - Cited by 54

www.sciencedirect.com › science › article › pii

COVID-19: The first documented coronavirus pandemic in ...

May 5, 2020 - The novel human coronavirus disease **COVID-19** has become the fifth ... onset had no known **history** of exposure to the Huanan market [1].

by YC Liu - 2020 - Cited by 1

www.cdc.gov › mmwr › volumes ▾

Evidence for Limited Early Spread of COVID-19 Within the ...

Jun 5, 2020 - Known Cases in Persons with No Relevant Travel **History** Before February 26. Two notable cases of **COVID-19** occurred in Santa Clara County ...

emedicine.medscape.com › article › 2500114-clinical ▾

Coronavirus Disease 2019 (COVID-19) Clinical Presentation ...

4 days ago - **History**. Presentations of **COVID-19** have ranged from asymptomatic/mild symptoms to severe illness and mortality. Common symptoms have ...

www.coralsprings.org › ... ▾

COVID-19 Updates | Coral Springs, FL

In the City of Coral Springs, we are One Team, with One Mission, together we can prevent the spread of **COVID-19**. Broward County will begin to open under ...

2. Competitive analysis.

The covid cove	www.who.int
- Keeps an active timeline of all the latest news articles on covid and what other things are going on in the US. - The members can discuss/comment in the chat or they can have a live voice chat to talk about the news. - Talk about important news/events that had been happening during all this time of COVID-19	- Shows covid related articles around the world. - Does not allow the user to comment on their page. - Only talks about health issues mostly related to COVID-19
The covid cove	**Discord**
- Allows the user to Talk via voice chat, but each voice channel is focused on one COVID related "theme". - The servers are predefined (events happening during COVID-19) and any user can enter to the server and comment about it. - Its purpose it to connect and inform people with respect to relevant news happening in the US	- It's a gamers app to talk, does not provide any important news. - Allows to create multiple servers of any topic and any user can enter the server. - Its purpose is to connect people who has alike hobbies more specifically in gaming
The covid cove	**CRUSH COVID RI**
- Will provided any important event happening during COVID times. - Purely informational app in which any user can log in can join the community and comment about COVID related events.	- App purely based on COVID-19, you can get news (infections, possible vaccines, etc). - A way for the state of Rhode Island to "control" COVID (can request to get tested or check your symptoms online).

From the research we make of a likewise app we didn't find any app/website that does what "The covid cove" is planning to do. As we saw in the pictures in point #1, during these times people are looking more and more at COVID-19 and information related to it.

What we plan with "The covid cove" is to be a center in which people can find a lot of useful information related to COVID-19 and important events that are happening during these pandemic times. Although there are a lot of newspapers and blogs that can provide information, what makes us different from many others is that we will allow users to have a life chat (either voice or text chat). This will be a place in which users can express their ideas, opinions, personal experiences, etc…

Our goal is to connect people and to connect these people to useful information of what is happening during these times of pandemic. We are not only giving a bunch of information and that's it, we are making relationships between people that have common interests/concerns.

3. **Data Definition.**

   Covid 19: is coronavirus pandemic that plagues the world in early 2020

   LAMP: is a web development stack that has Linux, Apache, MySQL and PHP components

   Bootstrap: A design template to allow for simpler stylization.

   Landing Page: a page to teach users what our website is about and how to interact with it.

4. **Overview, scenarios and use cases.**

   Users will have basic search skills, ability to create an account by entering information, and comment skills in a form. People looking for information regarding

COVID-19 can find links to articles from trustworthy sources on our home page. People looking to find out about events that have occurred during the COVID-19 pandemic can also find those links to articles. Users regularly keeping up with the site will create an account to discuss chosen links to articles with other users. In the comments section, users debate, share experiences, and opinions relative to the article.

5. **Initial list of high-level functional requirements.**

- Login page

- Landing pageSignUp page

- Home page:

    - List of all the most viewed articles

    - List of the most recent articles

    - List of the most like pages

    - List of the most dislike pages

        - On these pages

            - Link to article

            - Full form

            - Like button

            - Dislike button

6. **List of non-functional requirements.**

    Performance: Amazing

Usability: the page will be user friendly and simplistic to anyone can access and use "the covid cove"

Accessibility: Forums/information accessible to those on site, comment feature only accessible when signed in.

Expected load: Minimal

Security Requirements: Login with username and a password of minimum 8 characters long and must contain one capital letter, special character, and number

Storage ability: Average Website has about 150MB of storage so we are going for the same.

7. **high -level system architecture.**

   Supported browsers: Chrome, Firefox, Mozilla, Internet Explorer, Safari

   PHP

   HTML

   CSS

   JAVA

   JAVASCRIPT

   mySQL

   BOOTSTRAP

   LAMP

   AJAX

8. **Team.**

   Ricardo Morales : Scrum master

   Zain Cruz : Development team

   Samantha Medina : Development team

   Adam Fox : Development team

9. **Checklist**

   a) Team decided on basic means of communications → DONE

   b) Team found a time slot to meet outside of the class → DONE

   c)   Front and back end team leads chosen → ON TRACK

   d) Github master chosen → DONE

   e) Team ready and able to use the chosen back and front-end frameworks → ON

      TRACK

   f)   Skills of each team member defined and known to all → ON TRACK

   g) Team lead ensured that all team members read the final M1 and agree/understand it

      before submission → DONE