

Preventive Health Care Blog

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Abstract— This project proposes a web-blog to be a place for sharing health care methods for people who interesting in healt. The web-blog is developed to people are alert about health by allow users to be write blog, edited and searched from the website for easy to search health data to take care themself.

I. INTRODUCTION

A. Rational

Nowadays, healthcare is one of the popular topics in conversations. With internet everywhere, it is easier than before to communicate with the doctors or the professionals but so as spreading the false information. Some people have wrong belief, for example, urine is the magic pill, thus they share this false information all over the internet. Also, there is no actual central hub for healthcare information for people to share and take some advice for their health

B. Objective

From the above problems, web developers can develop Preventive Healthcare Blog to be the place that people can share story about health. Users have convenient to use Preventive Healthcare Blog. Developers design and improve the website look modern and beautiful. Developers improve the efficiency of tag function.

C. Preventive Healthcare Blog

Preventive Healthcare Blog is weblog for writing and sharing healthcare tips to prevent false belief from spreading.



Figure 1. Example of a false belief [1]

Preventive Healthcare Blog will have a health survey to encourage people to have a better health by reducing health risk.

II. USE-CASE DIAGRAM

This use-case diagram shows the operation and relation of the progressive web application as shown in figure 2

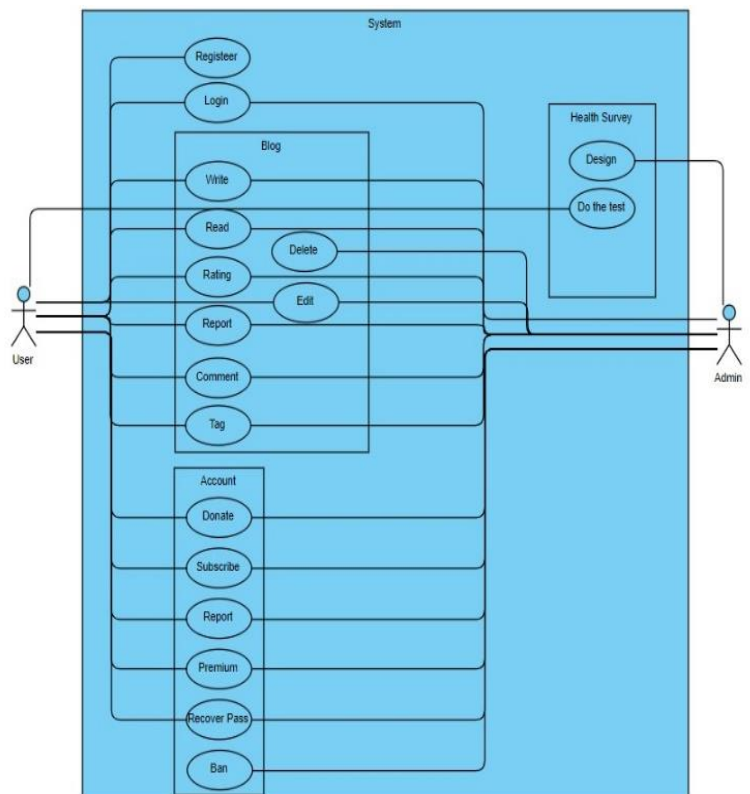


FIGURE 2 USE-CASE DIAGRAM

III. MEDTHODS

We use MongoDB NoSQL [2] to manage the back end and use React[3] to manage front-end because we have experience with React and mongoDB from last semester. We add function tag to every blog for easy to search. We add the search function by it can search such as name blog, tag, name of the person who write blog.

Divide the systems into 4 parts

A. Write new Blog

write new blog is function to allow user to create new article in their blog, user must add least 1 tag for their article.

Figure 3. Example write new blog function

B. Search function

in preventive health care blog has 2 function to search is normal search and tag, normal search it's will search by blog name, username etc. and tag search [4], user can click tag and website will show all blog that have a tag that user click.

Figure 4. Search bar

C. Read Blog

in this function user will see detail about blog and user can vote up and vote down about vote every blog will have rank, user can send question to writer and user can send question by their name or anonymous and User can report blog.

Figure 4. Read blog page

D. Profile

profile page will show detail about user ex) picture profile, username, example blog etc. and other user can subscribe.

Figure 5. Profile page

IV. RESULTS

A. Survey

We have surveyed students at Chiang Mai University. We presented the results of survey in 2 parts which are

1) Experience with healthcare website or application

a) Question1 : Any of these applications or websites are you ever use? The students mostly have ever used Pantip.com.

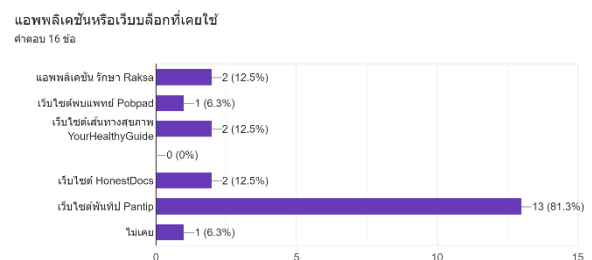


Figure 6. Survey results of past healthcare web usage experience

2) Opinions on the functions or features of the weblog

a) Question1 : Anyone can write an article. The students answered that they are fine with this.

b) Question2 : Certified healthcare professionals as a weblog member. The students answered that they are fine with this.

c) Question3 : Article category tags. The students answered that they want this.

d) Question4 : Article rating. The students answered that they are fine with this.

e) Question5 : Follow or subscribe to favorite writer. The students answered that they are fine with this.

f) Question6 : Report inappropriate article or user. The students answered that they are fine with this.

g) Question7 : Tip the writer. The students answered that they do not like this.

h) Question8 : Premium member benefit. The students answered that they do not want this.

i) *Question9* : Give reward to popular writer and article from time to time. The students answered that they are fine with this.

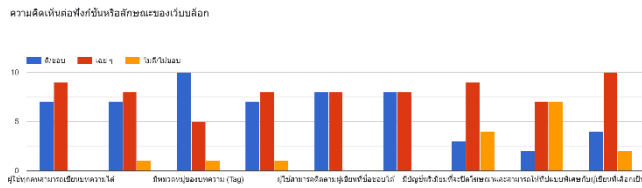


Figure 7. Survey results of opinion on functions or features

V. USING THE TEMPLATE

[1] Thairat online. “กินปัสสาวะ รักษาโรคจริงมั้ย.”

www.thairath.co.th

<https://www.thairath.co.th/news/local/bangkok/1643416?fbclid=IwAR0P3BUaiRxqjYgJdgle58qGiZrNIU0hsemOzz-lxysMFicMmqhB2YVbMUA> (accessed Apr. 8, 2020)

[2] Educba. “MongoDB NoSQL.” www.educba.com

<https://www.educba.com/mongodb-nosql/> (accessed Apr. 8, 2020)

[3] React. “React.” React.org.

<https://reactjs.org/docs/getting-started.html> (accessed Apr. 8, 2020)

[4] Pantip. “tag” pantip.com

<https://pantip.com/tags> (accessed Apr. 8, 2020)