CS 307 Group 17
Project Name: WebDoctor
Ketao Chang, Yibin Wu, Yiyan Zhou, Rui Pang

Product Backlog

1. Problem Statement:

   It may be inconvenient for people to make an appointment with the doctors when they get small symptoms. However, people are eager to know what kind of problems they may have right away. Our system can collect useful information from users input and lists health problems they might have.

2. Background information:

   It takes long time and complicated processes to meet doctors when we feel physically uncomfortable. However, we always want to know what may happen to our bodies as soon as possible. So we make this website to provide users with a list of possible diseases by the information collected from the targeted users. Although some applications, such as WebMD, have similar functions, most of them are offline and the contents are fixed. In our system, we have some certified users can continue updating disease information and post related articles. In this way, targeted users can always view the latest healthy knowledge.

3. Requirements:

Functional:

   1. As a user, I want to create an account.

   2. As a user, I want to log into my account on different web browsers.

   3. As a user, I want to view the symptom tags by body part category.

   4. As a user, I want to get a list of possible diseases by selecting "symptom" tags.

   5. As a user, I want to see what tags I have selected.

   6. As a user, I want to cancel the selected tags.

   7. As a user, I want to search for the information of the particular diseases.

   8. As a user, I want to get medical advices about my disease.

9. As a user, I want to see the hospitals nearby.

10. As a user, I want to see the pharmacies nearby.

11. As a user, I want to get a list of possible diseases by selecting "recent lifestyle" tags.

12. As a user, I want to read articles about health and medical science posted by certified editor.

13. As a user, I want to share content on social media.

14. As a user, I want to add content to "favorite" list.

15. As a user, I want to remove content from the "favorite" list.

16. As a user, I want to add comments for content.

17. As a user, I want to view all articles of a particular editor.

18. As a user, I want to go back to top of the page by one click.

19. As a user, I want to view contents of specific areas.

20. As a user, I want send feedbacks to developers.

21. As a user, I want to contact developers by email.

22. As a user, I want to go back to index from any pages.

23. As a user, I want to have a profile photo in my account.

24. As a user, I want to get some first-aid information from the application.

25. As a developer, I would like user feedback.

26. As a developer, I would like users to have options to change their passwords.

27. As a developer, I would like the response time of each function be no longer than 2 seconds.

28. As a developer, I would like to limit the number of tags users put in from 2 to 8.

29. As a developer, I would like to offer access to edit contents to professional users certified.

30. As a developer, I would like to store users' information.

31. As a developer, I would like to revoke authorization of certified users.

32. As a certified editor, I would like to edit specific contents.

33. As a certified editor, I would like to be able to refuse to be certified.

34. As a certified editor, I would like others to show aspects I expertise.

35. As a user, I would like to search for certified editors by aspects they expertise.

Non-functional:

1. The system mush handle 100 users at once.

2. The system can integrate Google Maps to view medical facility nearby.

3. The system can run on different web browsers.

4. The system can run on Android devices. (if time allows)

5. Create a plug-in on Google Chrome directly connected to our search engine. (if time allows)

6. The amount of allowable downtime per month is one hour.