**Meeting Time:** 9:00 am – 10:00 am 2022.11.18

**Attendees:** Xia Jiang, Zhen Yang

**Meeting agenda**

1. Reviewed progress made since
2. Showed AWS account 11:14: Zhen did not follow my suggestion of using the iMedBot-Dev that I created for him, he made changes to the values of the predictors, pushed to iMedBot.odpac.net directly, which leads to th. malfunction of the current 15-year prediction (works before he joins). The 5-year, and 10-year prediction (a task assigned to him) are not done.
3. Provided more suggestions as to how to conduct his work assignment.
4. Tasks assigned to Zhen on 2022.11.8 are mostly not finished, but he promised to get them done by 2022.11.21 (with one week extension).
5. Work assignment.

**Issues/Questions and Comments**

Dr. Jiang’s specific comments based on the testing we did today during the meeting to help Zhen Yang:

1. Fixed the broken system (the 15-year is no long working)
2. The information (i) provided is not associated with the name of the predictor, so the user will confused about the information provided.
3. In certain spots such as the “You”, the information (i) is not needed.
4. Some of the prompt (Such as “please click the button”) is not informative and repetitive. Another example, the “You” in the user dialog is not informative and not friendly.

**Ongoing tasks that cover more than a week**

Revise and Improve IMedBot

Dr. Jiang gave the following ideas to help Zhen Yang, but in the meantime encourage him to be creative and pro-active so that he add his own ideas to improve iMedBot.

Tasks will include but are not limited to the following:

1. Revised the current version. Many things, and I will write about them in the specific task for the coming week.
2. Resolve the “deployment” crisis. Currently, we all work on the main branch. When we make a change and push to github, it will trigger an automatic deployment on the AWS site, in which case AWS will charge us. Another problem is when there is a crash in the development work, the main branch will also be affected. Potential solutions: 1. Look into writing our own deploy pipeline without using the paid service (Conder doing this eventually perhaps next year, when you get really familiar with the system). 2. Looking into established a developmental branch, which will not be deployed automatically, but with which we can do development and testing work and conveniently merge it to the main branch for deployment once the new features are confirmed.
3. We will incorporate google analytics to the iMedBot.
4. We will develop a user online survey for the model training service. We currently have a simple online survey for the prediction service, but we don’t have one developed for the model training service call. We plan to further enhance the current survey and develop a new one that is tailored to the model training service
5. We will develop a user registration system that is currently missing;
6. We will develop a backend database during the expansion project. The iMedBot currently does not have a backend storage which can be used to store proper information such as user registration information and user feedback collected via online survey results. The information stored in such a database can be very useful to further improve the quality of the serviced provided by the iMedBot;
7. We will develop an online user manual during the expansion award;
8. We will develop online videos for further user guidance;
9. We will develop a Trello board that would be connected to our current github repository for iMedBot. The Trello board will further promote user-developer interactions and encourage the user involvement in the development work such as testing and providing feedback in real time. It will automatically update the users with the newest development of the iMedBot and inform the developers the user feedback.

**Specific tasks for the coming week**

1. Get familiar with the current iMedbot and its system, from all aspect including the AWS site (using the account information provided and the manuscript we submitted as starting resources). Not done, but extend the new deadline to 2022.11.21
2. In terms of the prediction service, change the user input prompt to meaningful words. Not completely done, but extend the new deadline to 2022.11.21.
3. Add tool tips to explain the meaning of the input feature (predictor). Not completely done, but extend the new deadline to 2022.11.21.
4. Add 10 year and 15 year. Not done, but extend the new deadline to 2022.11.21
5. Looking into established a developmental branch, which will not be deployed automatically, but with which we can do development and testing work and conveniently merge it to the main branch for deployment once the new features are confirmed. Use the example deployment pipeline Jiang provided and internet resources as a starting point. Not done, but extend the new deadline to 2022.11.21
6. Prepare questions for the meeting with Chuhan. Did not do thoroughly. Hopefully can use the connection as needed.
7. You should start to use the iMedBot-Dev that I created for you for your development work to avoid interrupting the current published website (as what already happened, in which 15-year prediction stopped working)

**Less urgent tasks**