October 14, 2024

Project	Project Associate	Action Item	Resource/ Notes
DCDI/DCMI	Sunny	• RSVP for lightning talk	

ETTA	Nibras	• Add query suggestion
		  ○ How can we automate the query suggestions
		  ○ Add POS filtering
		  ○ How can we precompute important terms (named entity) and store them in the database?
		  ▪ Introduce the data normalization
		• Eye tracking
		  ○ Professor Jacek Gwizdka will collaborate on eye tracking - https://www.ischool.utexas.edu/people/people-details?PersonID=227
		• Amar.doctor
		  ○ Paper
		  ▪ Take a look at the previous proceedings
		  ▪ We have to think through the method of this project carefully. Some provocative thoughts:
		  • Are we following any design method? Iterative design, testing, refinements using training and test set for evaluation, not real evaluation?
		  • Is it a purely design development method or experimental research method where we actually evaluating the system with real user using use cases.
		  • **Three potential layers to it**
		  ○ **Reducing the abandonment**: Previous design of health apps often leads to abandonment. Can we come up with a design that avoid abandonment. We looked at broad range of design for health apps, we purposefully design that encourages sustain use and reduce abandonment
		  ○ **Improving the core functions of the system:** In the course of design, we have some results in terms of OCR accuracy. First approach did not work, then our steps improved the results and the accuracy to 90%. We can show that evaluation
		  ○ **Using scenarios or user personas to evaluate the usability of the system**: Finally, we can say now we have large set of
			• https://ieeexplore.ieee.org/xpl/conhome/1803080/all-proceedings

			prescription. Based on the large set, we are going to run them through the system to see if this is actually can capture prescription, create the reminders, create the user experience. Then we can use some stereotypical use cases, and test the scenarios against the system – so that we can create some simulated users. ○ **Our fourth layer would be recruit actual participants and evaluate the system**.	