Whisper Mom – Final Submission
Term: Spring 2021
Satria Priambada
Individual Project Unit #1 and 3

Section I: Team Details
Team Members: Satria Priambada
TA Mentor: Tia Pope
Industry Advisor: Elizabeth Shivers
Quick Description of Application:
Our project focuses on problem of how to increase trust of pregnant women from minority group to healthcare system. This is due to the fact that some maternity wards might be providing a more empathetic care to parents coming from minority group. One of the issues I found was a lot of new parents coming from minority groups felt that the hospital didn't respect their wish or doesn't explain clearly to them about their pregnancy and postpartum situation, Sims,2020. By having higher trust I hope to increase the compliance of the medical procedure. Increase in compliance should be helpful towards having a better health outcome for pregnant African American women.

The project plans to increase trust by having African American women to be able to communicate with people they trust in their own community and communicate with people with medical knowledge in the community to help foster verifiable and trustworthy information. The information deemed important for-this projects are the information related to daily task/struggles pregnant women needs to face, the facility/maternity wards needed by the pregnant women, and emotional support from community that understand the feeling of pregnant women coming from the same minority groups.

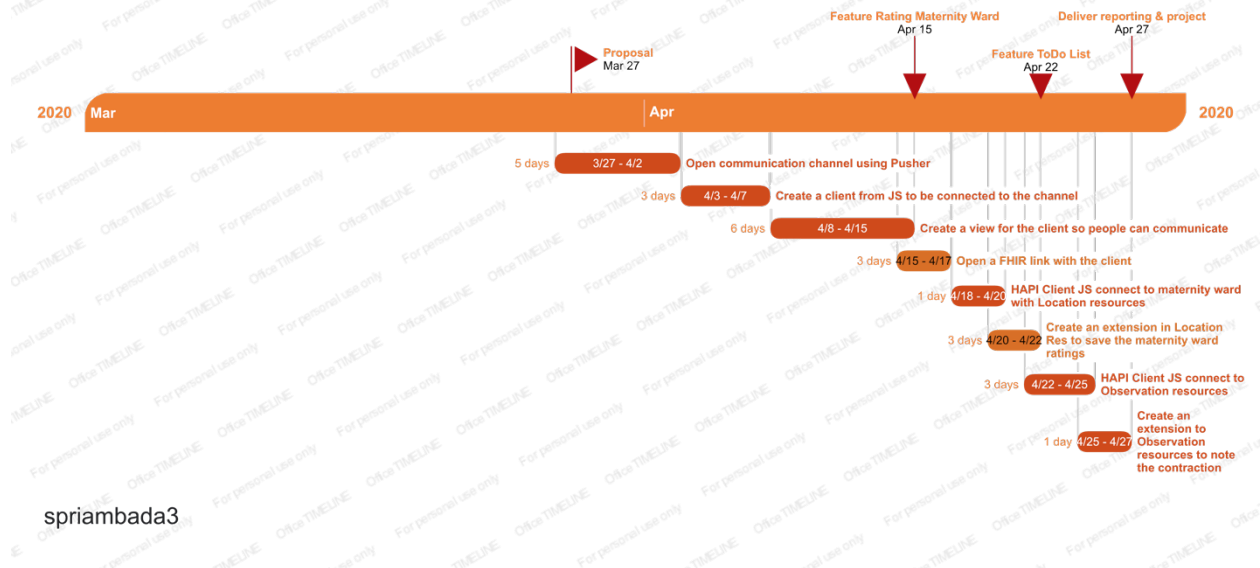The app offers 3 main features:
1. Just in time chat
2. Maternity ward ratings
3. To Do List

Team Member Roles & Responsibilities:
Satria is responsible for design and implementation of this project

Final Gantt Chart:

CS 6440 Gantt-Chart

Feature Rating Maternity Ward
Apr 15

Deliver reporting & project
Apr 27

Proposal
Mar 27

Feature ToDo List
Apr 22

2020 | Mar | Apr | 2020

5 days | 3/27 - 4/2 | Open communication channel using Pusher
3 days | 4/3 - 4/7 | Create a client from JS to be connected to the channel
6 days | 4/8 - 4/15 | Create a view for the client so people can communicate
3 days | 4/15 - 4/17 | Open a FHIR link with the client
1 day | 4/18 - 4/20 | HAPI Client JS connect to maternity ward with Location resources
3 days | 4/20 - 4/22 | Create an extension in Location Res to save the maternity ward ratings
3 days | 4/22 - 4/25 | HAPI Client JS connect to Observation resources
1 day | 4/25 - 4/27 | Create an extension to Observation resources to note the contraction

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Section II – Application

Final Git Commit: Apr 20, 2021
Github Link: https://github.com/SatriaPriambada/hackgt21-whispermom
Branch: master
Video Presentation: https://youtu.be/vymlpcCYadQ

Application Details
App Name: Whisper Mom
App URL: https://whisper-mom.herokuapp.com/
App Description:
Let's Whisper (To Be) Mom!
We provide:
1. The communication features will be just in time and only shows the latest status (like Slack in early days that deletes messages after a while). The idea is so that each member of the group doesn't have to scroll just like in chat app, but, can see what other people are saying in real time.
2. The rating features for maternity ward. This is used so that people from a specific minority groups can rate hospital/maternity ward that might be more emphatetic to the community. It's close to Yelp, but since the member of each communication channel are from the same minority groups, hopefully this information can be trusted more.
3. The note features is a note to help goes to the daily tasks or to save important messages from the just in time message from others that my app user think is important.

Section III – Project Presentation
Presentation Requirements: No greater than 10 mins
Link to Presentation Video:

Section IV – Project Documentation
Provide direct links to the following
Final Gantt Chart: https://github.com/SatriaPriambada/hackgt21-whispermom/tree/master/Final Delivery/Gantt Chart
Application Manual: https://github.com/SatriaPriambada/hackgt21-whispermom/blob/master/Manual%20-%20Satria%20Priambada.pdf
Special Instructions: N/A
Research Directory: https://github.com/SatriaPriambada/hackgt21-whispermom/tree/master/Final%20Delivery/Research
Documentation Directory: https://github.com/SatriaPriambada/hackgt21-whispermom/tree/master/Final%20Delivery/Documentation
Project Plan: https://github.com/SatriaPriambada/hackgt21-whispermom/tree/master/Final%20Delivery/Plan
Use Case Model: https://github.com/SatriaPriambada/hackgt21-whispermom/tree/master/Final%20Delivery/Plan
Design Document: https://github.com/SatriaPriambada/hackgt21-whispermom/blob/master/Final%20Delivery/Plan/CS6440%20ProjArchitecture.png
Test Plan: N/A