Project Proposal

Project Team: 4

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Project Goal and Objective:

- Overall goal: To program a robot which can be used as a medical assistant.
- Specific objectives (problem statement): The main objective of the robot is to diagnose the disease that the user has depending on the inputs such as age, gender, symptoms, images etc. provided by the user.

Significance:

The robot provides the user with immediate information about the disease, nearest doctor and also keeps him notified about the appointment timings and prescription as and when it arrives from the doctor. Thus, the robot guides the user properly during its difficult times.
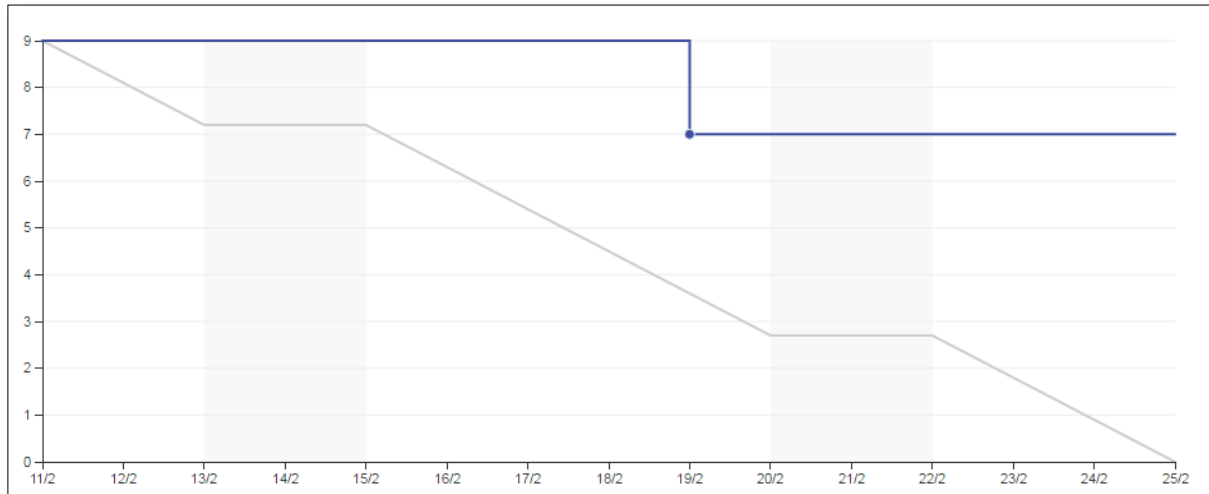
Specific features:

- Use facial recognition technique to authenticate the user.
- Collect the data from the user regarding the symptoms age and gender from his voice and would use Natural Language Processing and also images to identify the issue
- Diagnose the disease depending on the inputs provided by the user
- Suggest nearest doctor depending on the type of disease to the user
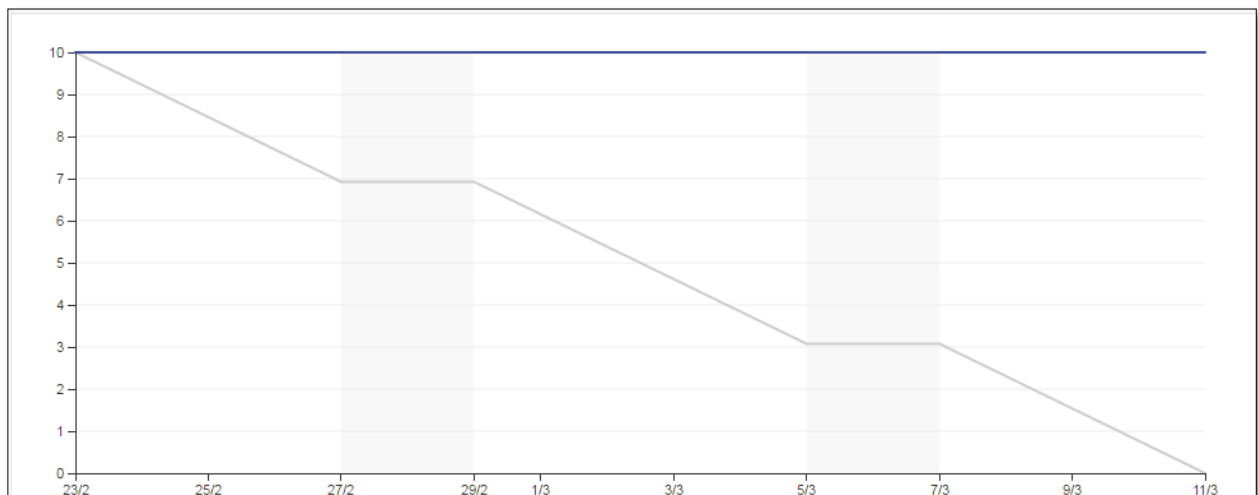- Remind the user about his/her disease.

Bibliography:

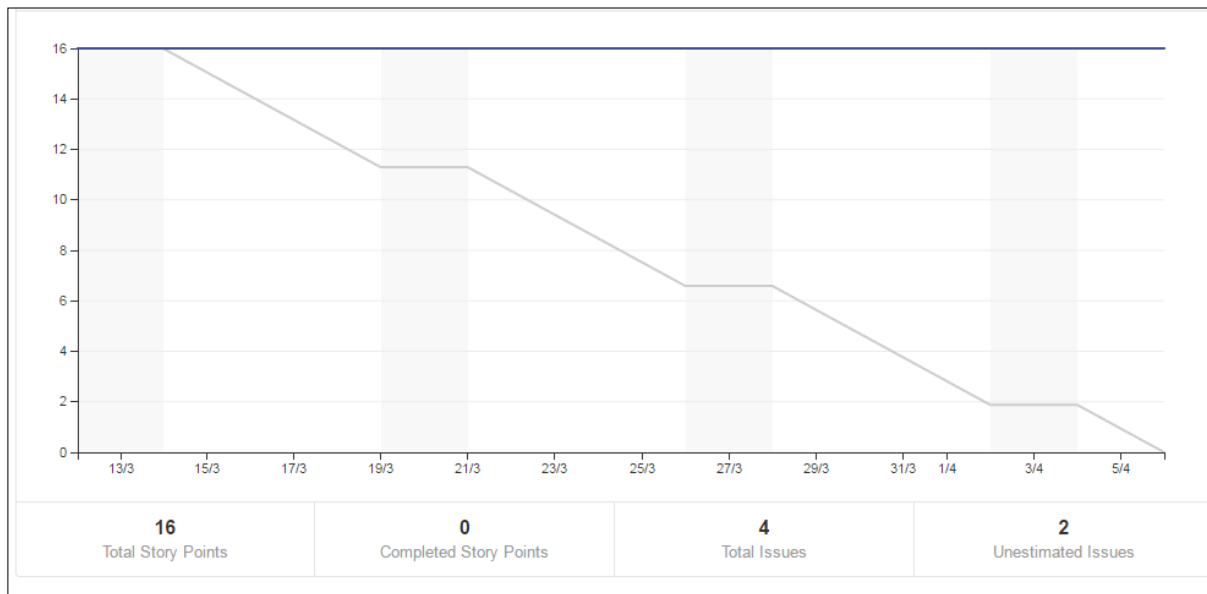- https://www.nlm.nih.gov/medlineplus/encyclopedia.html
- http://seer.cancer.gov/tools/seerrx/
- http://stackoverflow.com/

Project Plan

Increment -1

Increment -2

Increment -3

16	0	4	2
Total Story Points	Completed Story Points	Total Issues	Unestimated Issues

Increment -4

5	0	1	0
Total Story Points	Completed Story Points	Total Issues	Unestimated Issues