Fine-Fettle

TEAM- AAVISHKAAR

MANSI BREJA

KAVITA MAURYA

KARAN

OUR TREK :-

- As a part of our trek, we chose to visit VPS Rockland Hospital, Dwarka, New Delhi on the 20th of January, 2018.
- ► The hospital is generally flooded with patients just like a common government hospital.
- ▶ We interacted with several people and asked them varying questions in accordance with our questionnaire and tried to find out what problems they faced that we could cater to.
- ▶ There were many people who did cooperate and help us in our survey.
- We had prepared a questionnaire.

QUESTIONNAIRE AND ANALYSIS

We prepared some closed questions to be asked in our trek. These are some psychometric questions measured on a Likert scale (Marking on a scale of 1-5).

List of Questions:

- Q1. How knowledgeable is the staff at this hospital?
- Q2. How easy or difficult is it to talk to the staff at this hospital about your medical condition(s)?
- Q3. Overall, how hygienic do you feel this hospital is?
- Q4. Do all medical equipments work properly?
- Q5. How comfortable is the lobby and the waiting area?
- Q6. Did your appointment with your doctor start early, late or on time?
- Q7. How easy or difficult is it to schedule your appointment at a time that was convenient to you?
- Q8. How often do you go to the doctor when you are feeling unwell?
- Q9. How often have you spent more than half an hour in waiting room?
- Q10. How often were you able to get an appointment within 48 hours for an acute/serious problem?

QUESTIONNAIRE:-

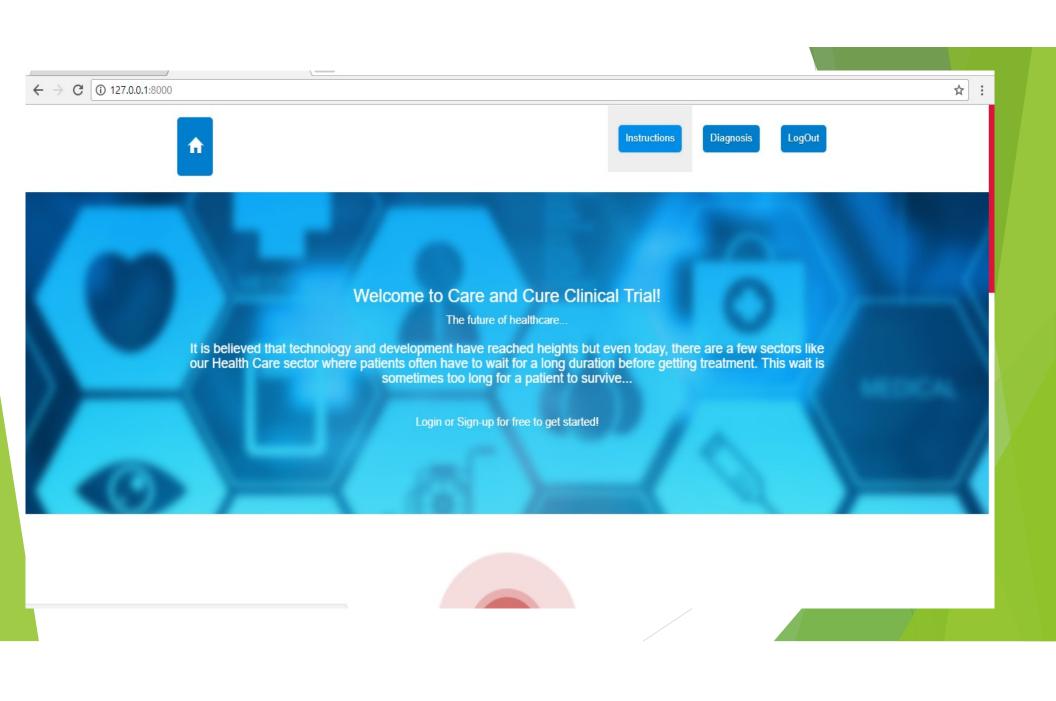
Table 1. Raw Data(Marking on a scale of 1-5)										
Participant Name (Age)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1. Mrs. Meena Sethi (30)	4	3	4	4	4	2	3	3	1	4
2. Mr. Raghav Jha (23)	3	3	5	4	4	2	3	2	2	3
3. Ms. Preeti Makkar (25)	5	4	4	5	4	1	2	3	1	2
4. Mr. Shyam Das (67)	4	4	4	5	3	3	3	4	1	3
5. Ms. Leela Jain (12)	4	4	5	4	4	1	2	3	2	2
6. Mr. Raghav Sharma (41)	5	3	5	4	3	2	2	2	1	3
7. Mrs. Parul Goel (44)	4	4	5	4	5	2	1	2	2	4
8. Mr. Vijay Gupta (76)	4	4	4	4	4	1	3	1	2	3
9. Mr. Rakesh Shah (60)	4	4	4	5	4	3	2	3	1	3
10. Ms. Seema Kaur (18)	4	3	5	5	5	2	2	2	1	3
AVERAGE:	4.1	3.6	4.5	4.4	4.0	1.9	2.3	2.5	1.4	3.0

PROBLEM IDENTIFIED :-

- LONG OPD QUEUES.
- ▶ Patients go through two separate trials one with the OPD doctor who then sends him/her to Admit Ward if required.
- ▶ Patients who need to get admitted to ward end up wasting time in the OPD queue.
- ▶ Time wastage of both patients and doctors.

SOLUTION PROPOSED:-

- We planned to develop a web app " "
- ▶ It takes as inputs the general health parameters .
- ► This parameter vector is then passed through our "LOGISTIC REGRESSION" Learning Algorithm based on one vs all scheme.
- ➤ The algorithm ,based on the already fed dataset ,predicts the health condition of a person and whether or not he/she should be visiting the OPD doctor or get admitted in the ward.
- ► This way the time of doctors and patients is saved as the patient goes directly to the ward or OPD doctor.



SIGN UP!

Display name

Display name

Required. 150 characters or fewer. Letters, digits and @/./+/-/ only

Email address

Email address

Password

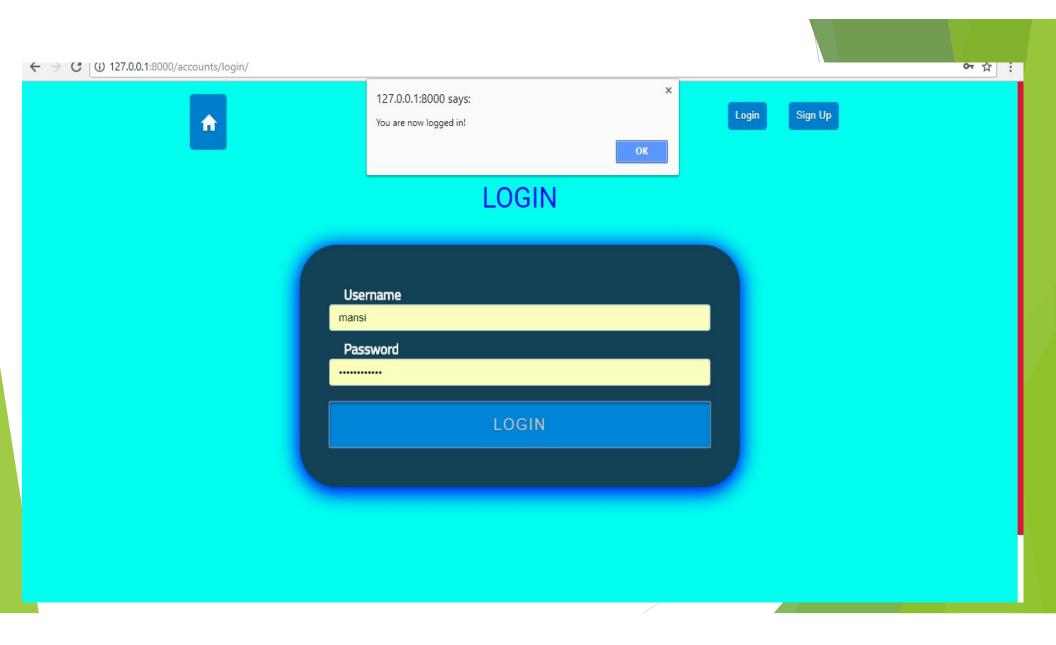
Password

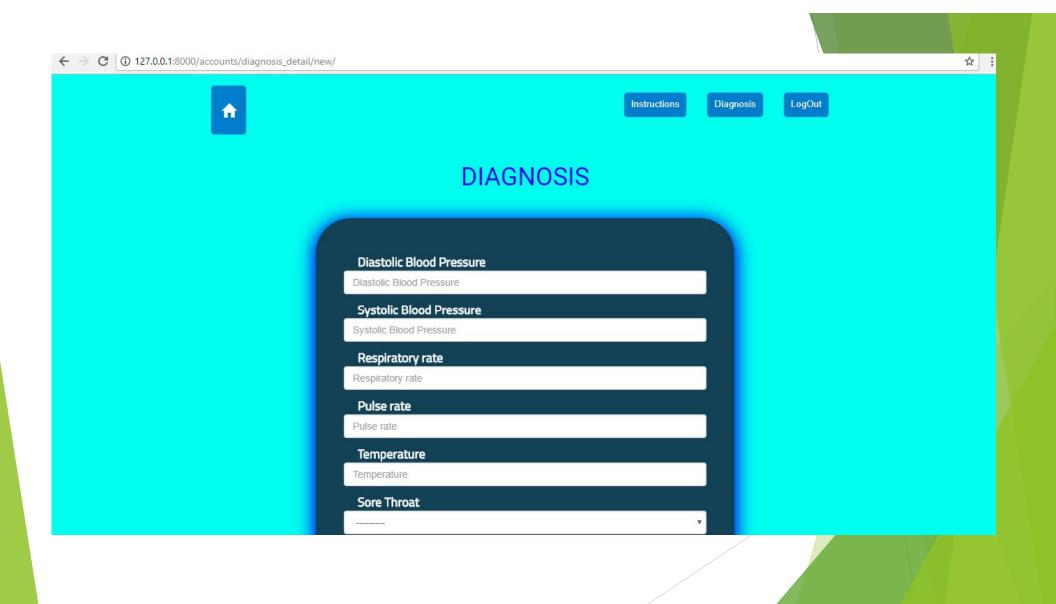
- Your password can't be too similar to your other personal information
- Your password must contain at least 8 character
- Your password can't be a commonly used password
- Your password can't be entirely numeric

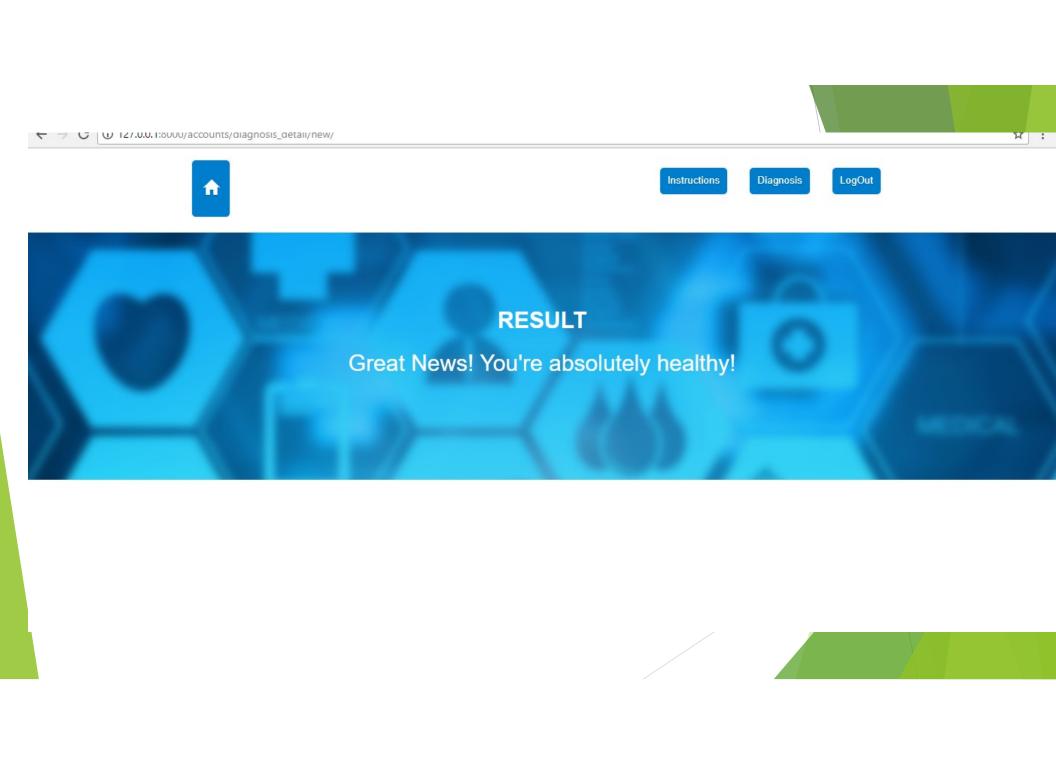
Password confirmation

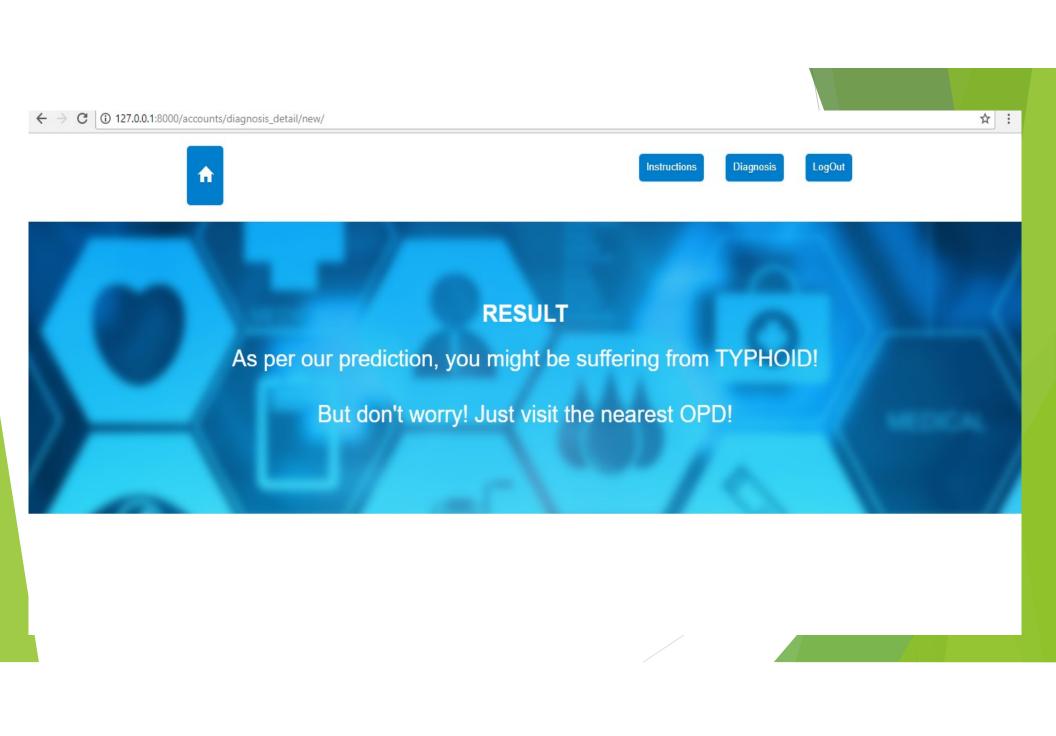
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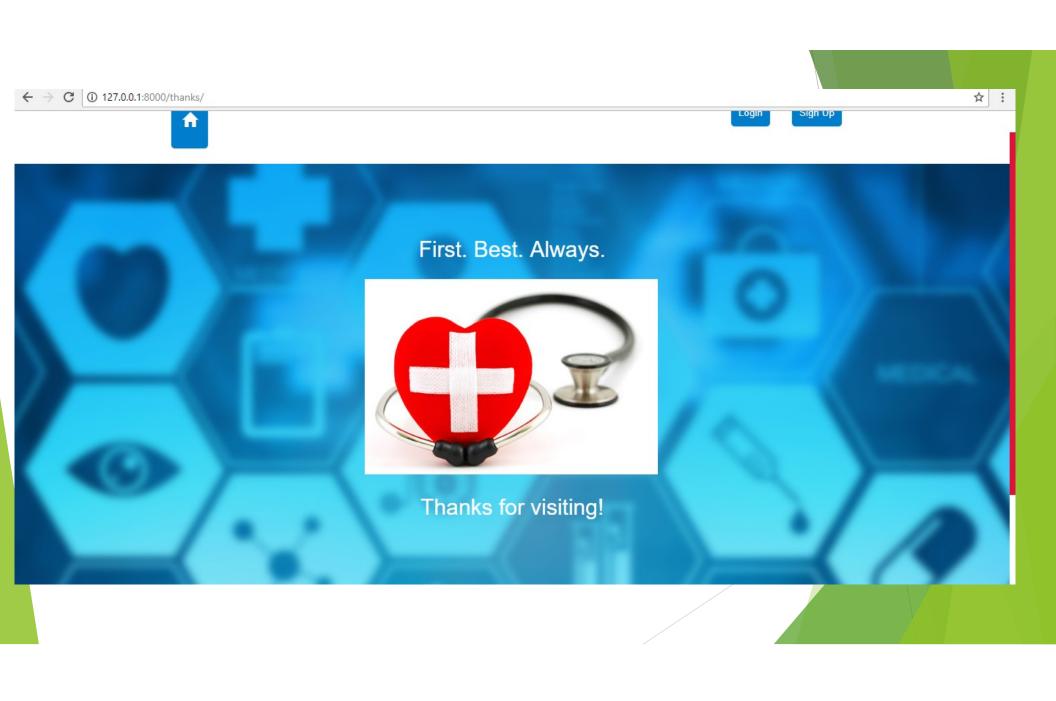
Enter the same password as before, for verification











THANK YOU!

