SEGMENTATION_FAULT

DOCTAMY

NOV 2022

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Pitch

Problem —

Medical and health literacy among patients.

PROBLEM

What?

Medical and health literacy among patients.

Why?

Most of the time patients don't have specialization like doctors do and thus have a lack of knowledge about what doctor's guides prescribe and instruct them.

Why now?

Often leading them to misunderstand diagnoses done by doctors leading to side effects and even **death.**

OUR MISSION

Our mission is to give the patient and his family a clear view and analysis of his previous and current disease that they are facing.

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SOLUTION

We devise a plan to make your medical diagnosis more visually appealing by creating an interactive 3d model of your body. Both Doctor and Patient will have access to his 3d model. The doctor would be able to see the specific body diagrams he is specialized in and would be able to select and make diagnose. This will make sure that your previous reports are saved in visual form and you can access them later.
This will help patients easily understand the doctor's diagnosis through visual means.
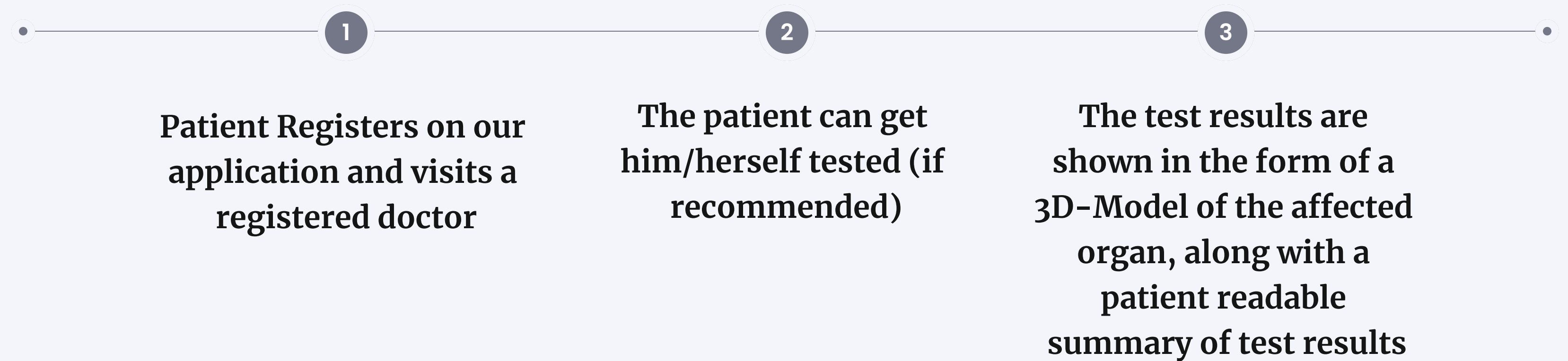
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What part we are going to show?

We will be showing full potential of our application, using a body part, the demo will demonstrate all the listed features of the application.

Test analysis, 3D Visuals all will be implemented in the project which we are going to present.

Workflow

1

Patient Registers on our application and visits a registered doctor

2

The patient can get him/herself tested (if recommended)

3

The test results are shown in the form of a 3D-Model of the affected organ, along with a patient readable summary of test results

Python-(flask)

for backend purposes.And can easily connect or ML models

ReactJs

for making component-wise rendering.

Blender

For generating 3d models

DOCTAMY

Our Business will target the medical industries which is a very huge market (37.2B$).

- Our model is subscription based.
- Targeting Hospitals and medical professionals
- Will be free for patients

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Hospitals

Patients

Medical students

Hospitals will generate the maximum revenue. The data and reports that is saved ,will be customized according to hospital specifics and makes it easier for hospitals , doctors and patients to keeps record of detailed and easy to understand reports .

This service will be completely free for patients .By taking the cut from the medicines suggested by the doctors, we will also generate revenue.

The medical students will perform a very vital role as they can do research-based studies through our portal (with patient's consent) by studying their reports as case studies as we will be saving their medical history.

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Competitive Advantages

☑ Giving reports in a visual format.

☑ Now reports would be easy to understand.

☑ Doctors have easy access to the previous record.

☑ No more on-paper reports all things are digitalized.

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Competitors

	DOCTAMY	Practo	3D4medical
EMR report	✓	✗	✗
3d visualization	✓	✗	✓
Doctors Portal	✓	✓	✗
Medical record Track	✓	✓	✗

Over
75MILLION
adults in U.S have Basic and Below Basic Health literacy.

Statistics

Table 3

Understanding of the discharge summary by the patients.

Characteristics		n (%)
Frequency of Emergency Visit) In past 1 year(	Once	299 (70.2)
	Twice	72 (16.9)
	Thrice	39 (9.2)
	Four Times	16 (3.7)
Understood the disease condition	Yes	246 (57.7)
	No	180 (42.3)
Can name the drugs prescribed	Yes	32 (7.3)
	No	394 (92.7)
Frequency and duration days (of the drug	Yes	225 (52.8)
	No	101 (47.2)
Routes of drug administration	Yes	283 (66.4)
	No	143 (33.6)
Understand the common side effects of the drugs	Yes	17 (3.9)
	No	409 (97.1)
Understand the dietary modification with treatment	Yes	136 (31.9)
	No	290 (68.1)
Know the follow-up plan	Yes	339 (79.5)
	No	87 (20.5)

Table 3

Percentage of patients who did not receive discharge instructions in the various domains, of a total of 100 patients

Domain	Discharge instructions not provided
Diagnosis	2%
Treatment	14%
Follow-up	14%
Return to ED	20%
At least one domain	42%

Open in a separate window

Table 2

Percentage of patients with incomplete or no/poor understanding of discharge instructions in the four domains, of a total of 100 patients

	Incomplete understanding	No understanding or poor understanding
Diagnosis ($N = 98$)	47%	29%
Treatment ($N = 86$)	70%	33%
Follow-up ($N = 86$)	55%	24%
Return to ED ($N = 80$)	91%	64%

Some Articles and Blogs

National Library of Medicine
NIH National Center for Biotechnology Information

PubMed.gov

Advanced

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> Am J Emerg Med. 2000 Nov;18(7):764-6. doi: 10.1053/ajem.2000.18040.

Medical communication: do our patients understand?

E B Lerner [1], D V Jehle, D M Janicke, R M Moscati

https://pubmed.ncbi.nlm.nih.gov/11103725/

SEARCH — The New York Times

Alzheimer's Drug May Benefit Some Patients, New Data Shows | One Step Closer to a Universal Flu Vaccine? | Mpox: WHO Renames Monkeypox Citing Racial Stigma | Organ Donations Rise Around Motorcycle Rallies | MATTER Happy

Well

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Doctors Talk, but Do Patients Understand?

BY TARA PARKER-POPE   APRIL 2, 2009 2:44 PM

The best medical advice in the world won't do patients much good if they can't understand it.

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◄ Believing in Treatments That Don't Work

NEXT POST
When Medicine Makes You Fat ►

AskWell

Justin Maykel
@justinmaykel · Follow

It's time to trash the long pamphlets and wordy, complex packets.

Enabling #healthliteracy is about offering patients, regardless of reading level, easy to read materials that are short, to the point and yet comprehensive. #MedTwitter #MedicalAdvice
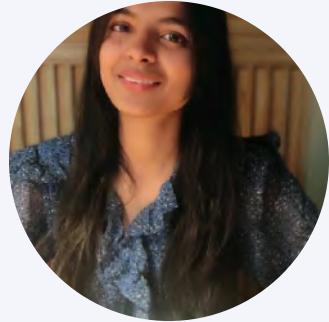
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HTTPS://ARCHIVE.NYTIMES.COM/WELL.BLOGS.NYTIMES.COM/2009/04/02/DOCTORS-TALK-BUT-DO-PATIENTS-UNDERSTAND/

Pitch

Our team has years of experience across diverse industries

Aastha Garg

R&D

She is an expert in researching new stuff and getting things together. And her skills on the front end are phenomenal

Sarthak Pant

SDE

He is an expert in developing new stuff from scratch plus his leadership skills are good.

BSN Abhiram

SDE

He is an expert in backend development and can easily solve any problem addressed to him.

Yash Bhandari

SDE

He can make anything work because of his knowledge in different fields of tech helps the team at crucial times.

DOCTAMY

Thank you