

Doctor-Patient

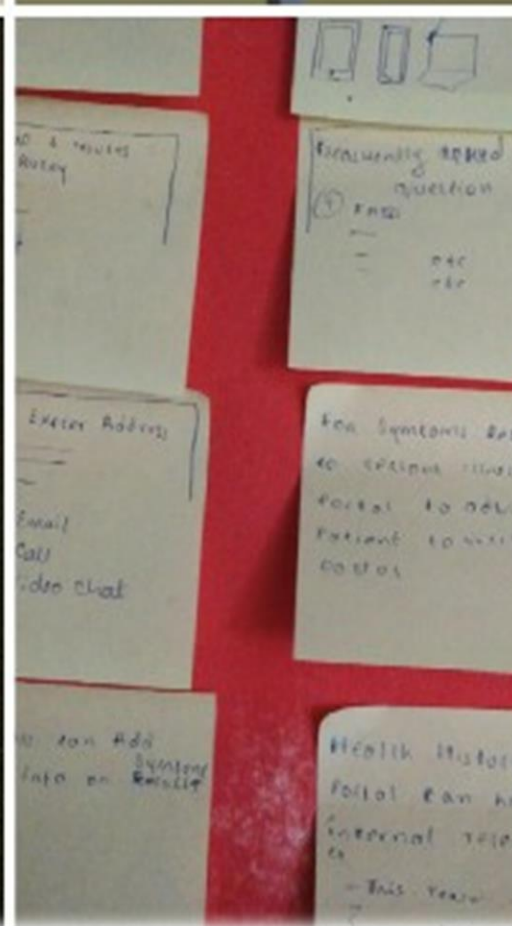
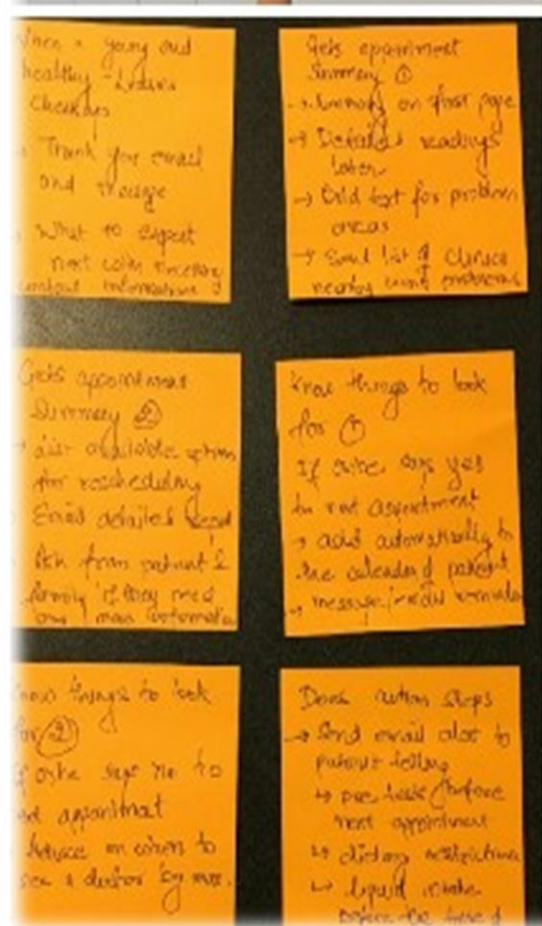
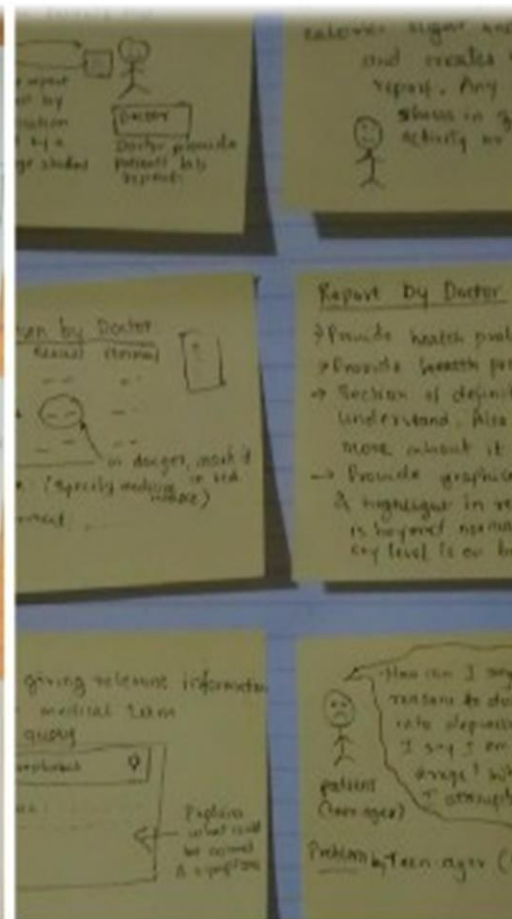
Generate Phase

Team Members

Katie Brey (kebrey),
Vinay Gupta (vgupta8),
Mei Lau (mylau),
Raghavendra Muddur (rmuddur),
Pranav Firake (ppfirake),
Akanksha Shukla (apshukla)

Important Links

1. Generate doc [link to google document](#)
2. Research deliverable [link to google doc](#)
3. UX google docs folder [Generate](#)
4. Statistics for ideas [link](#)



Demos & ideas

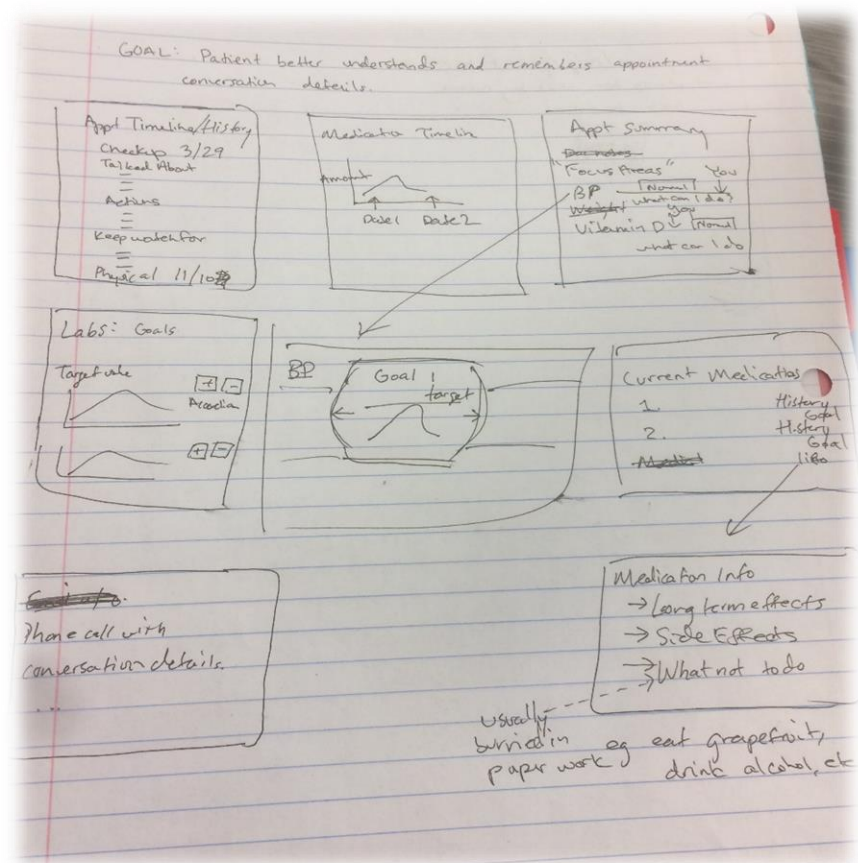
- For demos, everyone gave 3 min presentation with the innovative and inspirational ideas with the sketches attaching to these ideas.
- Please find below the demo notes for everybody

1) Katie

Katie talked about List of products/ services useful –

- Word cloud to visually represent conversation
- labtests online
- Impact Makers

And she discussed about idea for **“Organized appointment summary maybe with actions or checklist”**

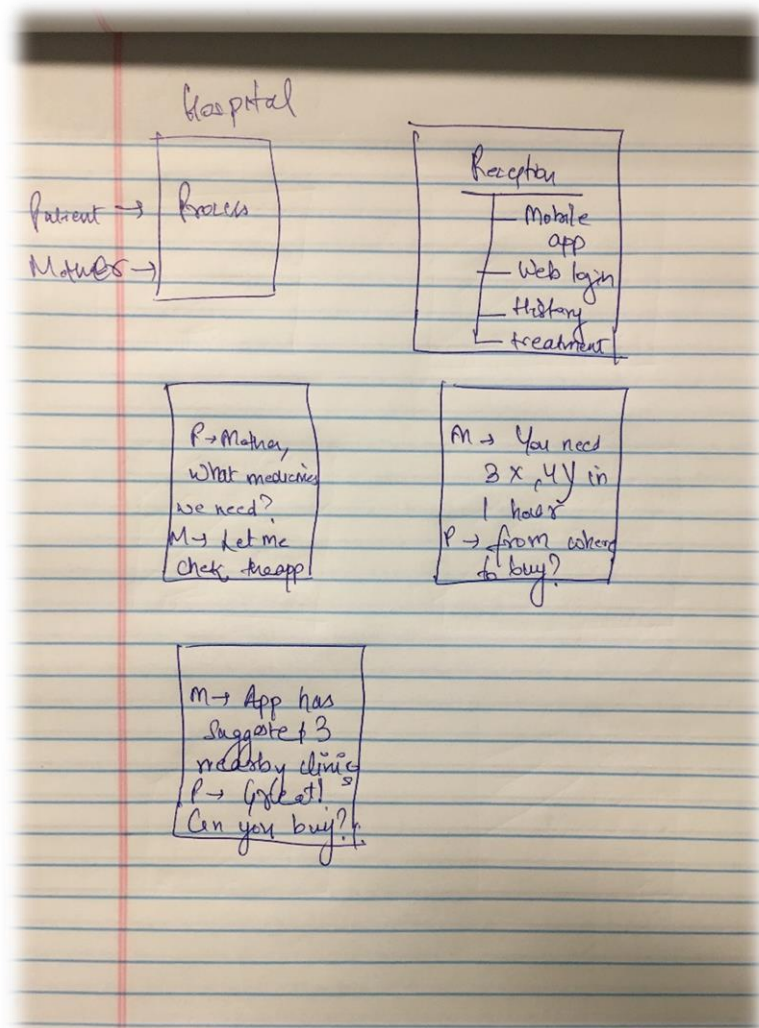


2) Vinay

Vinay talked about products and services as

- Mobile app,
- automatic updates on Calendar with appointments
- email/message on every step of progress,
- customized fitbits, simple words reports

and he discussed about an idea stating “**An online portal and mobile application for sure.**”



3) Mei

Mei talked about products and services as

- google calendar,
- pop up reminders,
- Q&A forums,
- patient forms

And she discussed about an idea stating “**Appointment summary through patient note and doctor checking, Gather common Q&A for specific disorders or medications in form of website and/or websites, medication calendar**”

4) Akanksha

Akanksha talked about products and services as

- Summary of diagnosis on top of lab result document
- Ability to pull up insurance info on spot
- Access to expert notes.
- Recommendations for special category people e.g. alcohol, drugs, obesity etc.

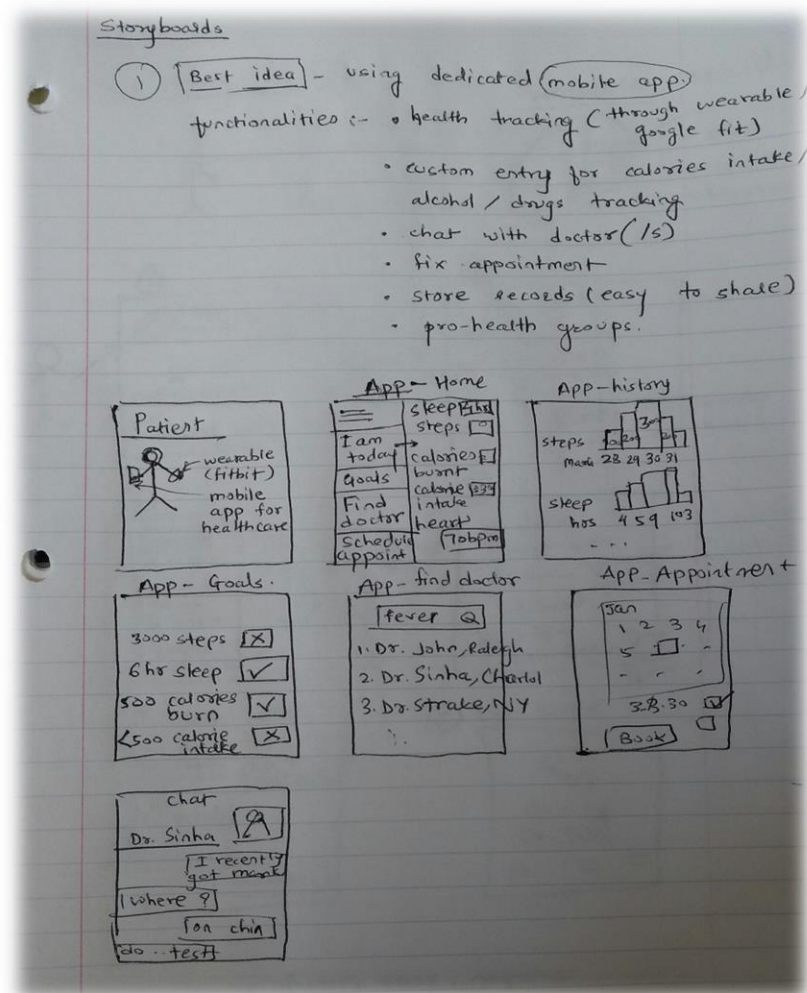
And she discussed about an idea stating “**improvement in categorized patient care for students in terms of profiling them on basis of alcohol-drugs consuming students, healthy students, chronic students etc**”

5) Pranav

Pranav talked about products and services as

- use of health tracker wearables/ mobile applications and enhancing scope of it to doctors
- centralised/ trusted portal/mobile app for better understanding of symptoms & Remedies
- application stating crisp & clear information on symptoms/health readings about limits between selfcare and care by doctor.

And he discussed about “**mobile application/portal with functionalities such as patients record tracking, appointment scheduling & information on various health parameters, symptoms and remedies**”.



6) Raghavendra

Raghavendra talked about products and services as

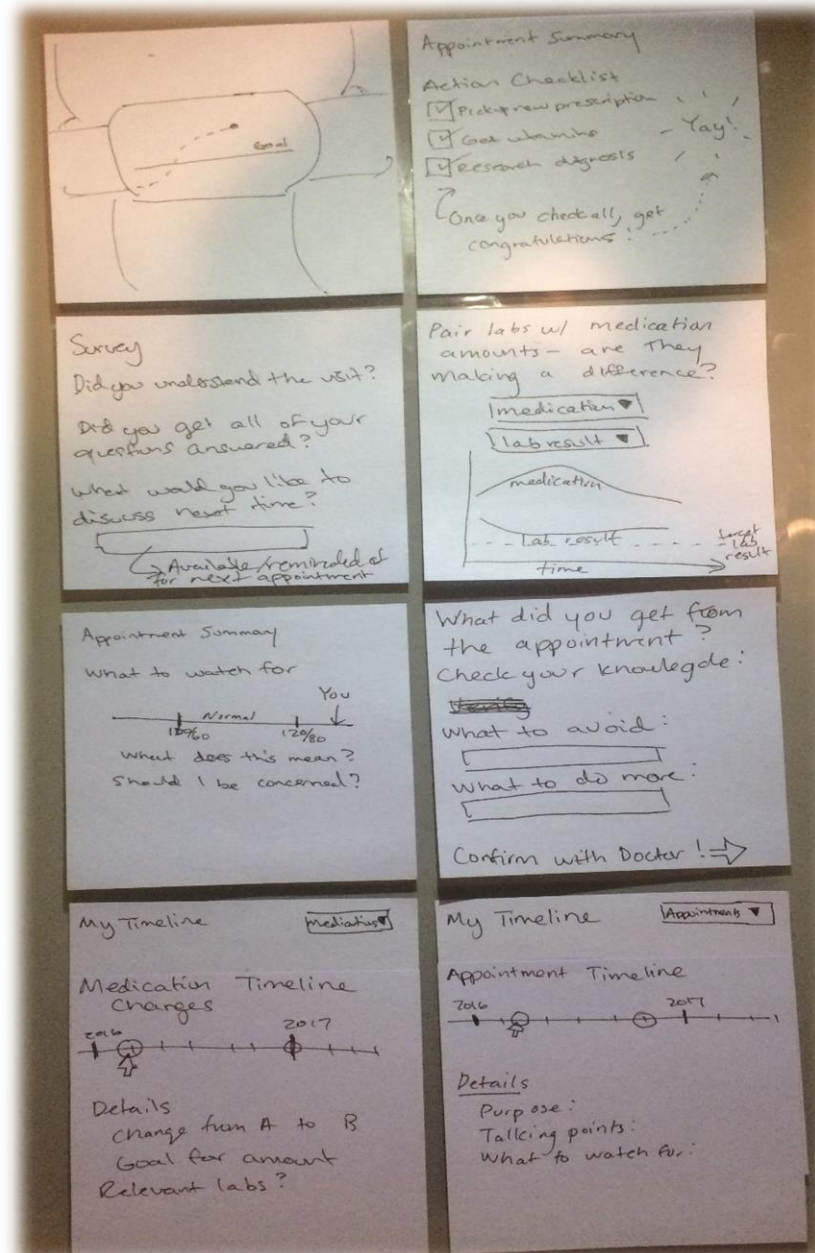
- Tool for searching about symptoms,
- Access to expert notes

And he discussed about “ **mobile application/portal with functionalities such as patients record tracking, appointment scheduling & information on various health parameters, symptoms and remedies** ”

Variations

Crazy8s and variations captured by each team member:

1) Katie



2) Vinay

When a young and healthy - Leaves checkup
 → Thank you email and message
 → What to expect next with necessary contact informations

Gets appointment Summary ①
 → Summary on first page
 → Detailed readings later
 → Bold text for problem areas
 → Send list of clinics nearby with problems

Gets appointment Summary ②
 → List available options for rescheduling
 → Email detailed report
 → Ask from patient & family if they need any more information

know things to look for ①
 If (s)he says yes to next appointment
 → add automatically to the calendar of patient
 → message / email reminder

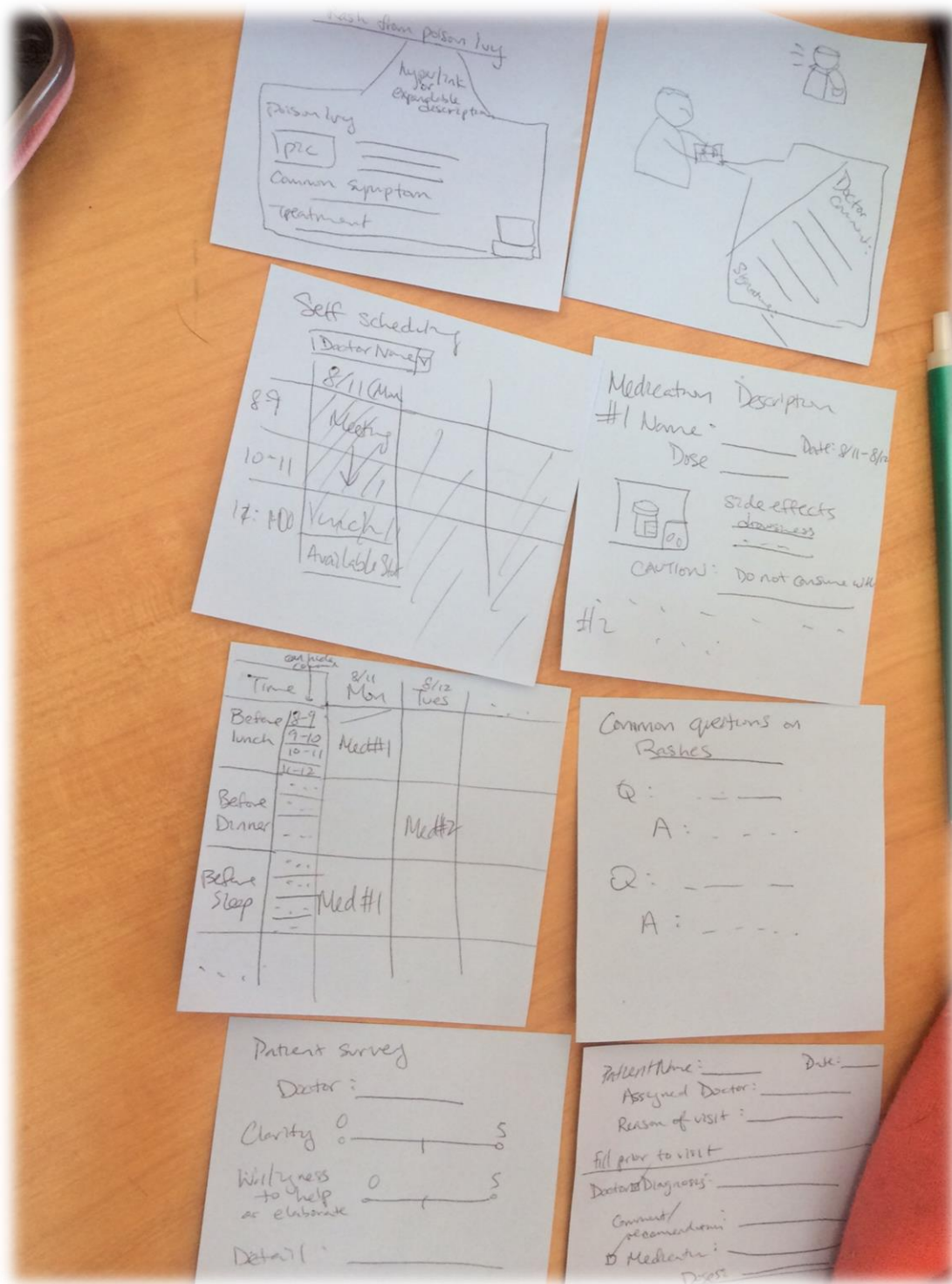
know things to look for ②
 If (s)he says no to next appointment
 → Advice on when to see a doctor by max.
 →

Does action steps
 → Send email alert to patient telling
 ↳ pre tests before next appointment
 ↳ dietary restrictions
 ↳ liquid intake before the time of appointment

→ Always keep a check of patient's progress by emailing / messaging them
 → Take feedback from the patients and their families.

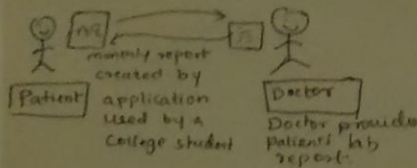
→ Always provide a written chart for the schedule of taking medicines
 ↳ When
 ↳ How many
 ↳ food before / after
 ↳ Hot / Cold water

3) Mei



4) Akanksha

Out of Range health measure
communication from Doctors end
as well as Patients end



Report by patient

App measures sleep, activity,
calories, sugar and other intake
and creates weekly/monthly
report. Any normal range
shows in green & abnormal
activity or intake in red



Report Given by Doctor

	Result	Normal
Sugar level	--	--
blood pressure	--	--
Cholesterol	--	--

Prescription: (specify medicine intake)
Doctor's comment: --

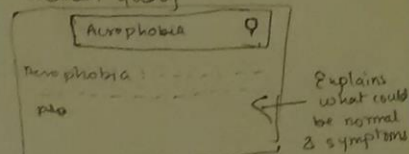
in danger, mark it in red



Report by Doctor

- Provide health problem
- Provide health prevention measure
- Section of definitions in easy to understand. Also links to know more about it.
- Provide graphical presentation & highlight in red if anything is beyond normal or yellow if any level is on border

Portal giving relevant information
for each medical term
search query



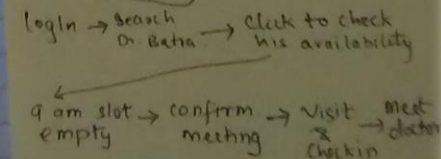
How can I say my stupid reasons to doctors to get into depression? What if I say I am consuming drugs? What if I say I attempted suicide?

patient (teenager)

Problem by Teen-ager (College student)

- Provide categories of problems on portal like problems faced by old-age, babies, teen-agers, pregnant women, chronic disease, cancer.
- Provide links to counselling session or motivational videos for cancer, student patients, patients who are addicted to drugs.
- Provide chat facility between patient and doctor (patient can convey for which he feels shy)

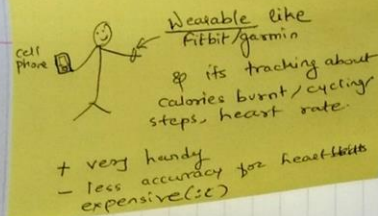
It's high time, I must talk to doctor directly. Let's check when he's available



5) Pranav

(Best idea - Mobile App (dedicated))

① Fitbit / Garmin



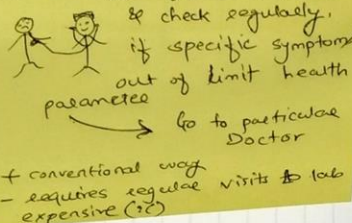
(Crazy 8)

For tracking the health of patient & contacting doctor if severe/needs examination

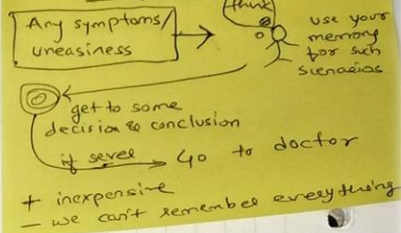
② Google Fit



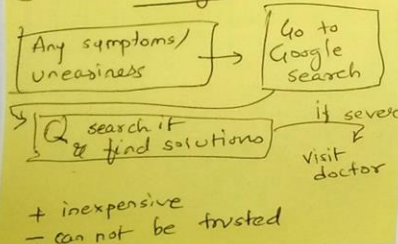
③ Go to pathology lab/physician



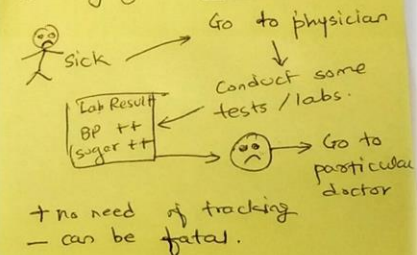
④ Selfcare



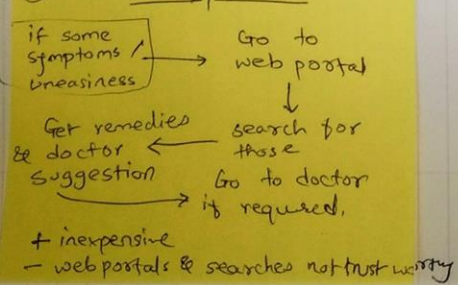
⑤ Use Google Search



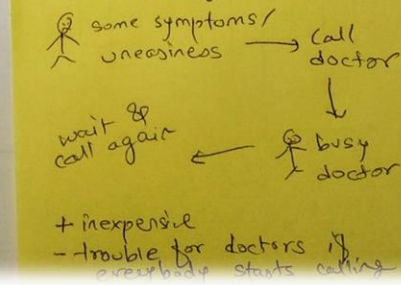
⑥ Relying on lab results



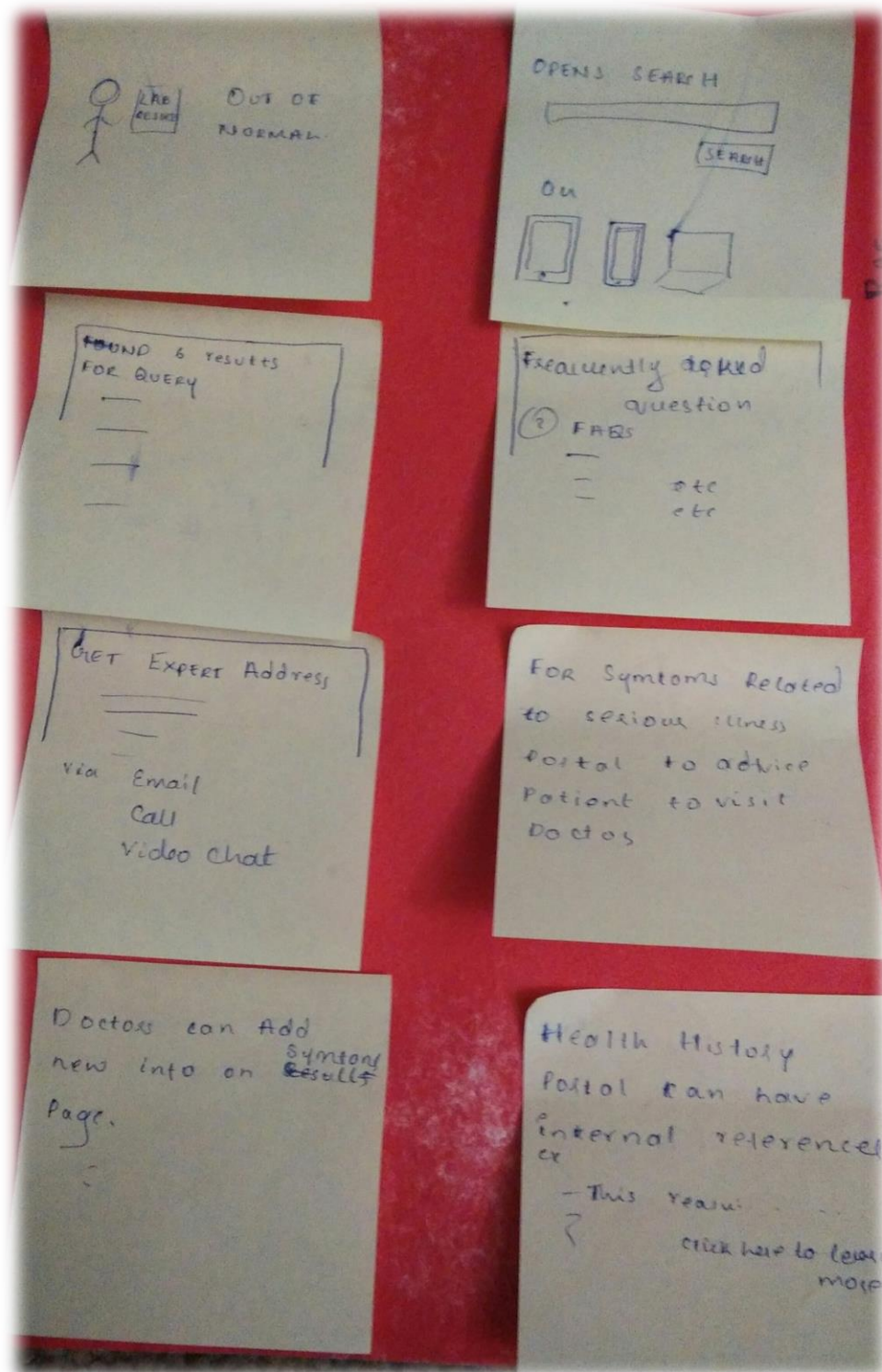
⑦ Use Web portals



⑧ Keep Calling Doctor



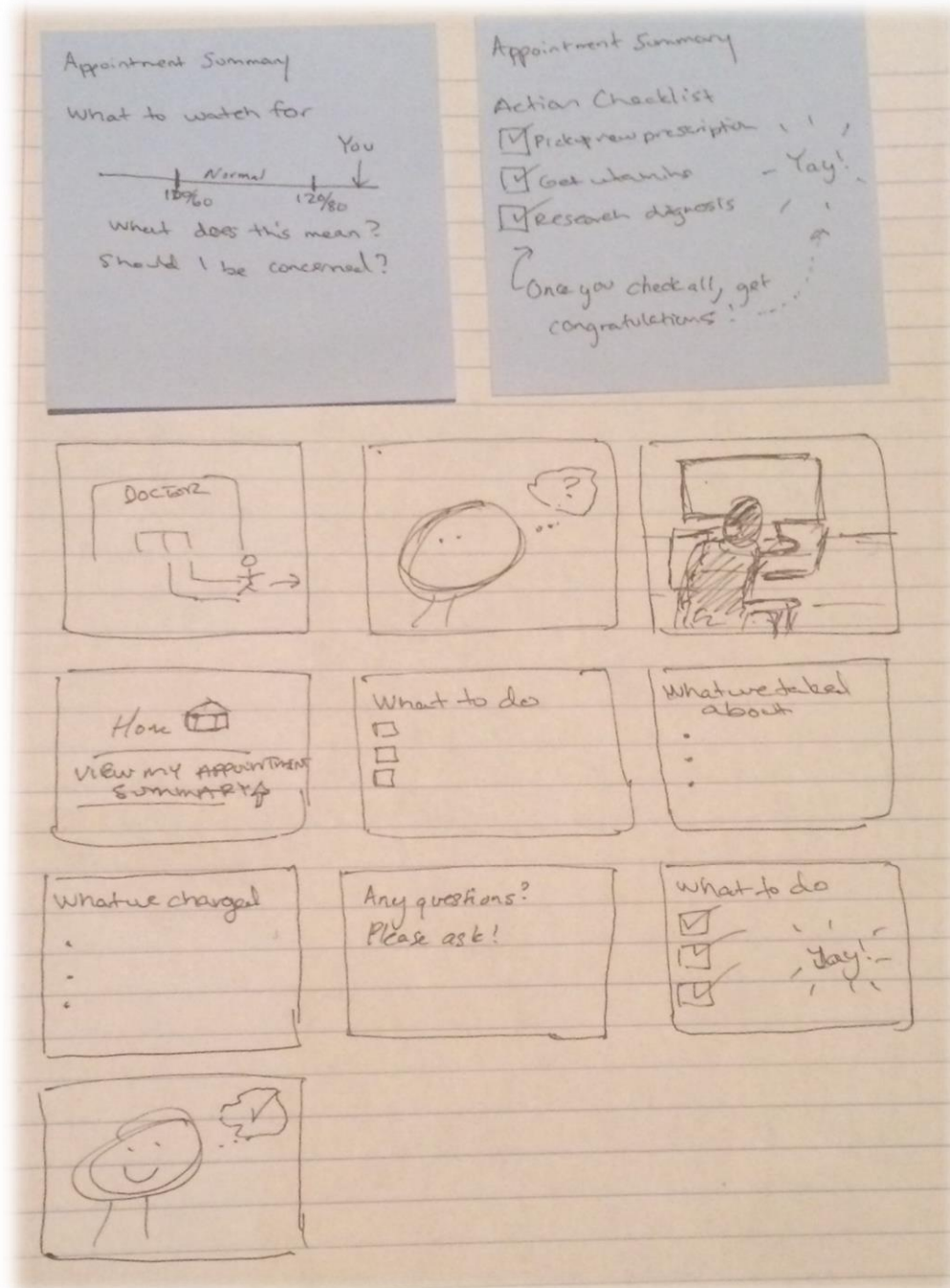
6) Raghavendra



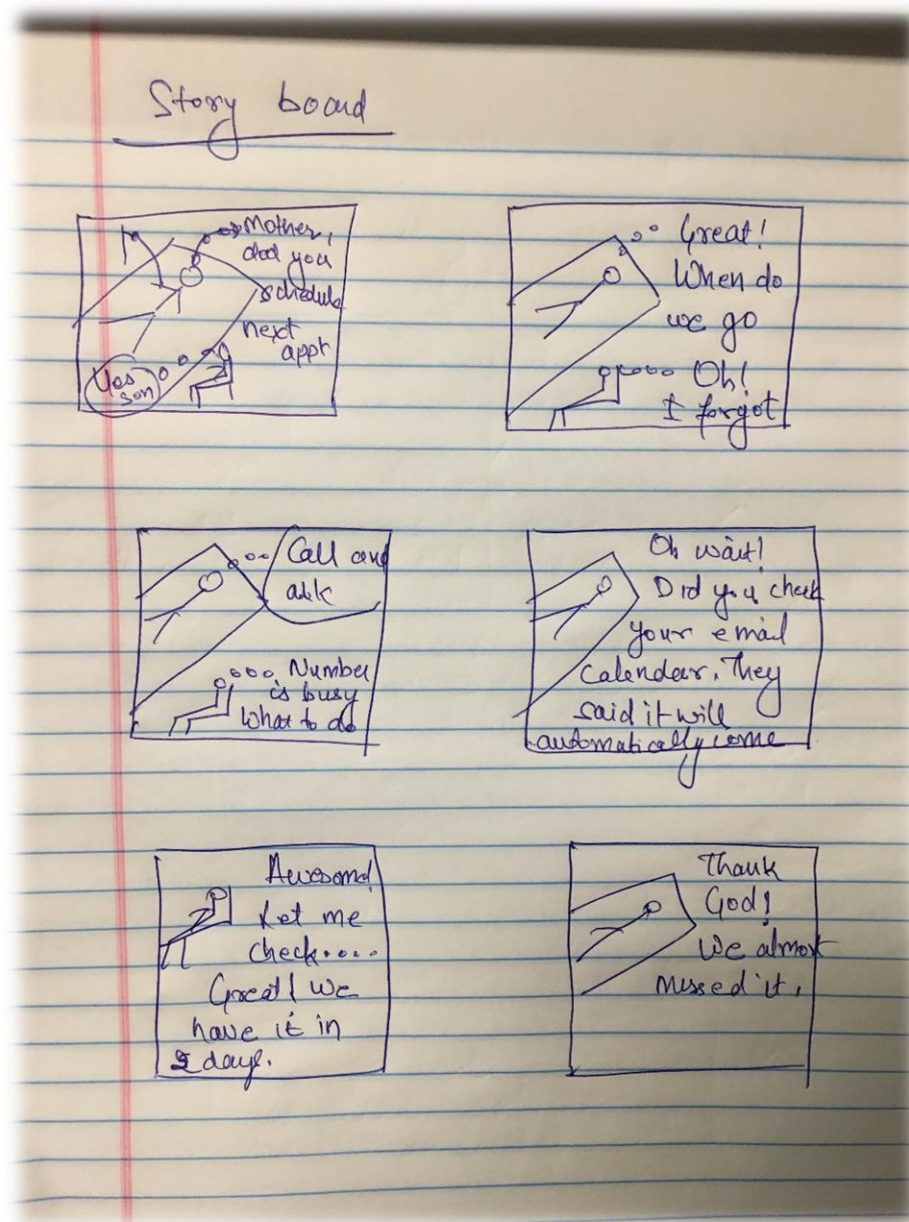
Storyboards

Best idea into storyboard

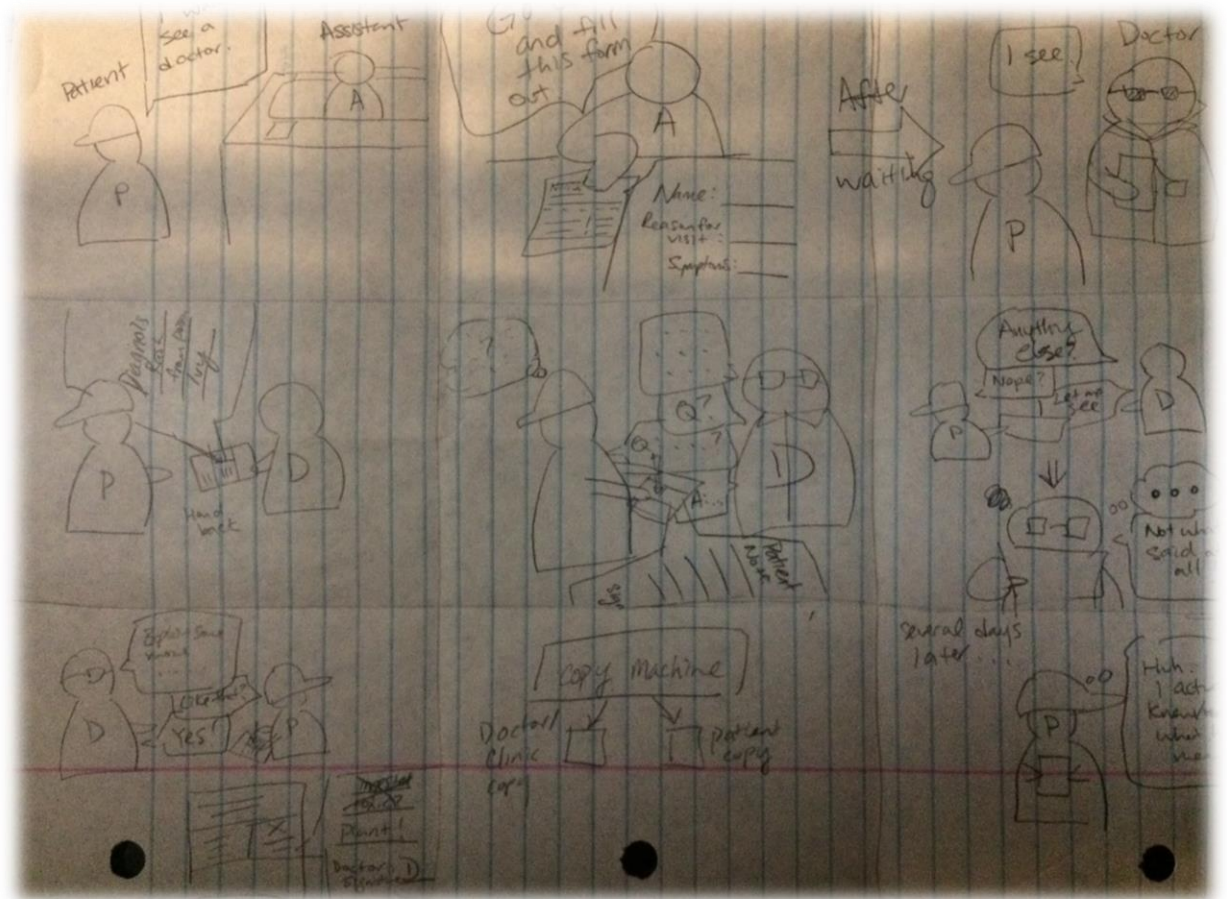
- Katie



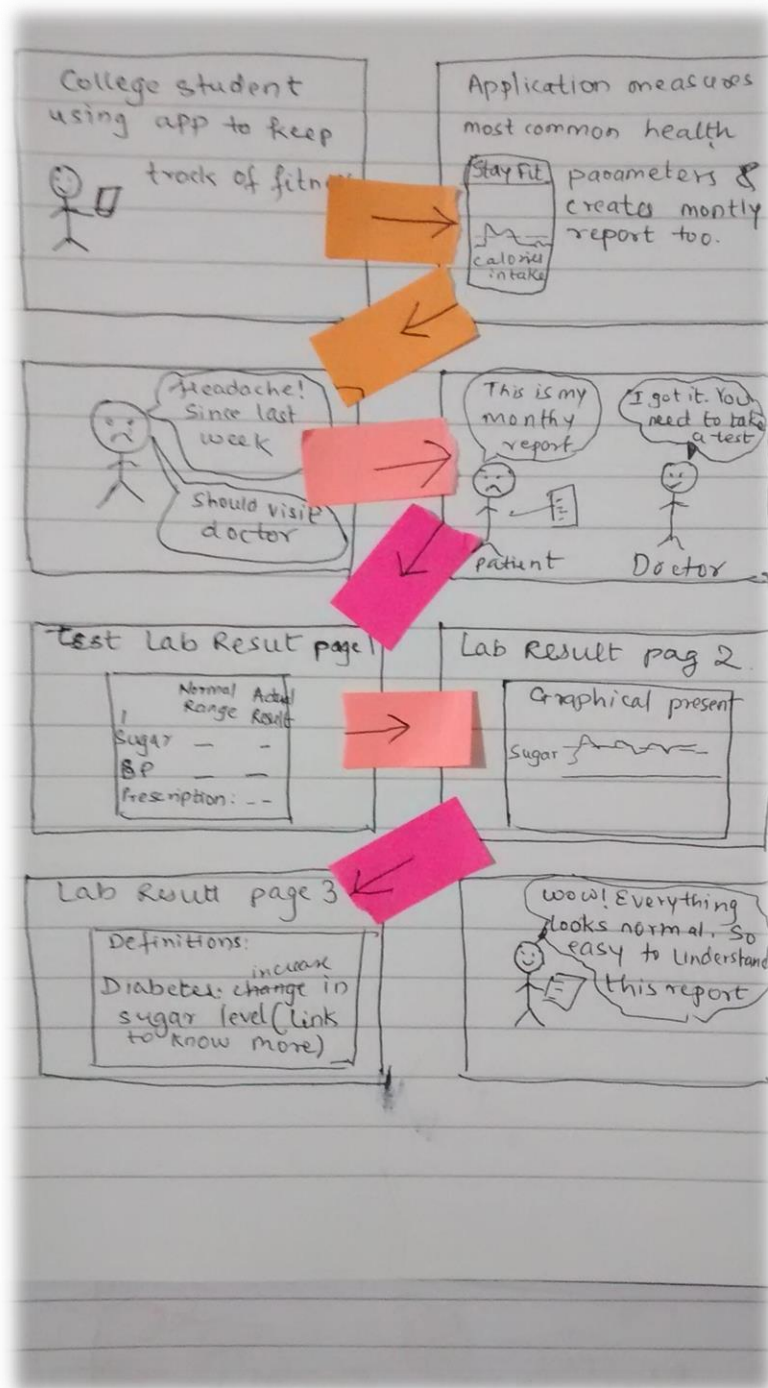
- Vinay



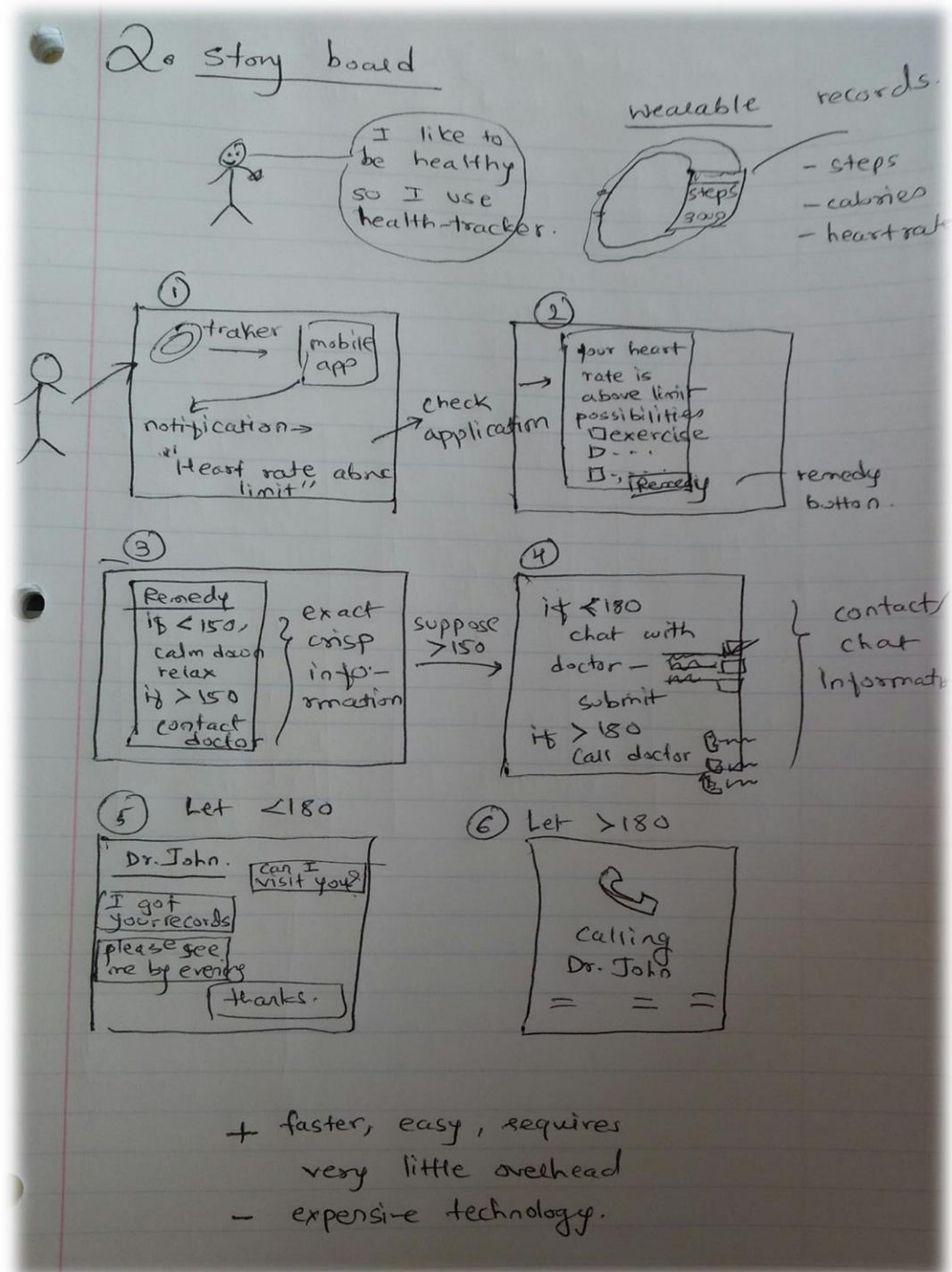
- Mei



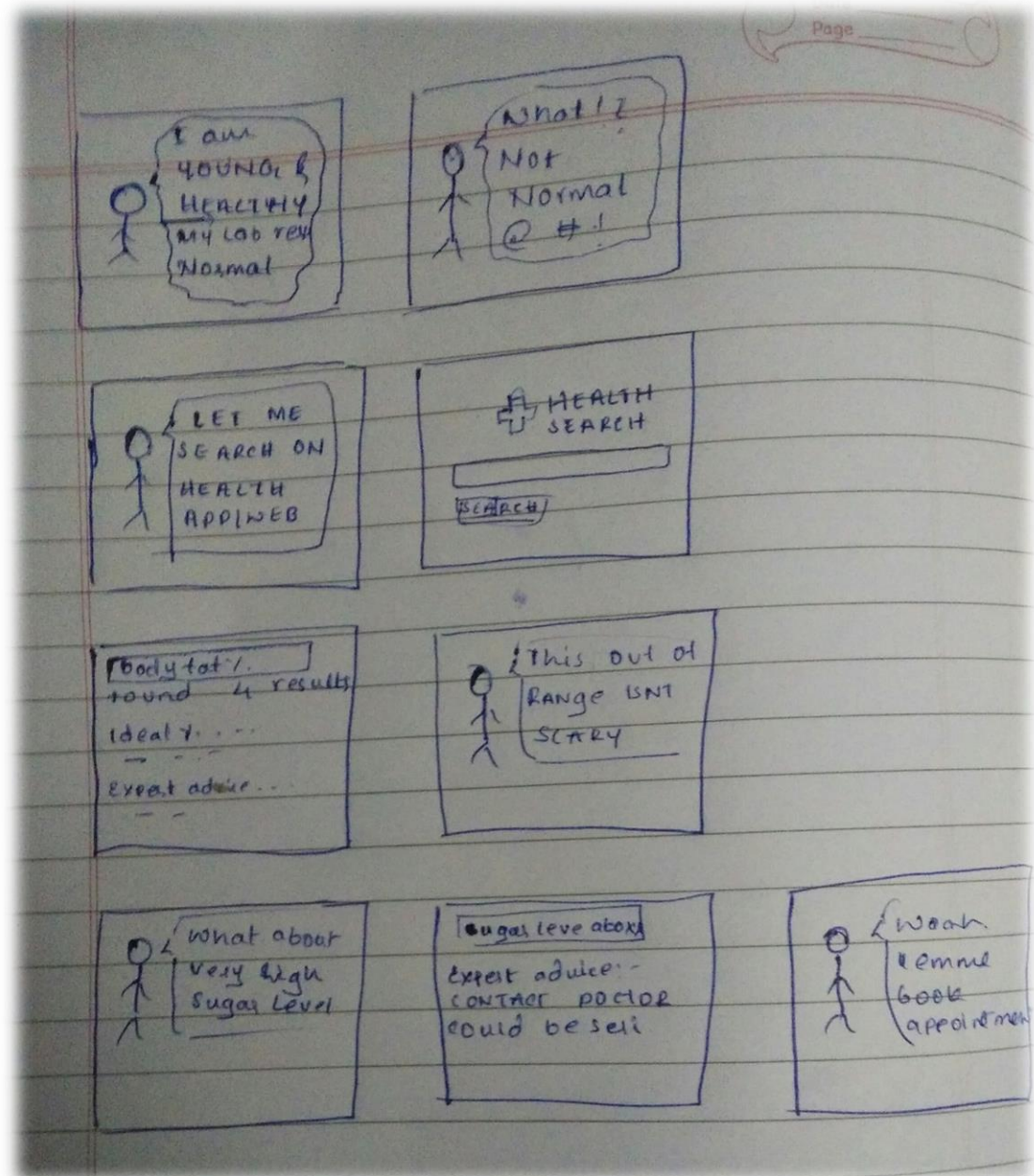
- Akanksha



- Pranav



- Raghavendra



Conclusion and Generalization

In this stage we brainstormed and generalized lot many ideas as given above.
The best ideas we picked are:

Mobile application with functionalities:

- 1) Tracking the health
- 2) Notifying if any health parameter is out of range.
- 3) Suggest remedy if health parameter is out of healthy range but within safe range
- 4) Suggest to chat with or call doctor if health parameters are out of range
- 5) Portal showing all diseases and their symptoms, remedies.
- 6) Doctors directory with contact information
- 7) Ability to book appointment
- 8) Public Calendar of doctor available
- 9) Appointment summary with advanced features on mobile app
- 10) Lab results with better UI

Advantages

- 1) Patient Friendly communication
- 2) Mobile application is easy to use
- 3) Very handy (almost everyone can access it)
- 4) Scalable, easily editable
- 5) Can integrate new requirements on later version
- 6) Easy to upgrade

Disadvantages

- 1) Technology required for developing mobile application
- 2) Expenses in hosting app and data storage
- 3) Scalability to apple or other phones can be little tough

References

1. Sprint guidelines from UX class by Dr. Watson
2. Minutes of Meeting from intergroup brainstorming meetings and demos

Thanks 😊