



Mobile-Doc

CSE 326 Presentation on “Project Scope”

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Mobile-Doc

Motivation



- **Treatment of common illnesses** doesn't require an in-person visit to the hospital
- **Primary Health Care (PHC) / Family Physician** infrastructure is absent in our country.
- **Unavailability of physicians** in rural area
 - **44.2% vacancy** of medical professionals in Upazila level hospitals ^[1]
 - Correlation between distance from city and number of vacant positions.
- MBBS doctors tend to congregate in urban areas.
- Accessibility to mobile internet across the country is growing rapidly.

[1]: <https://www.researchgate.net/publication/276105127>

Solution

Mobile-Doc is telemedicine solution that provides-

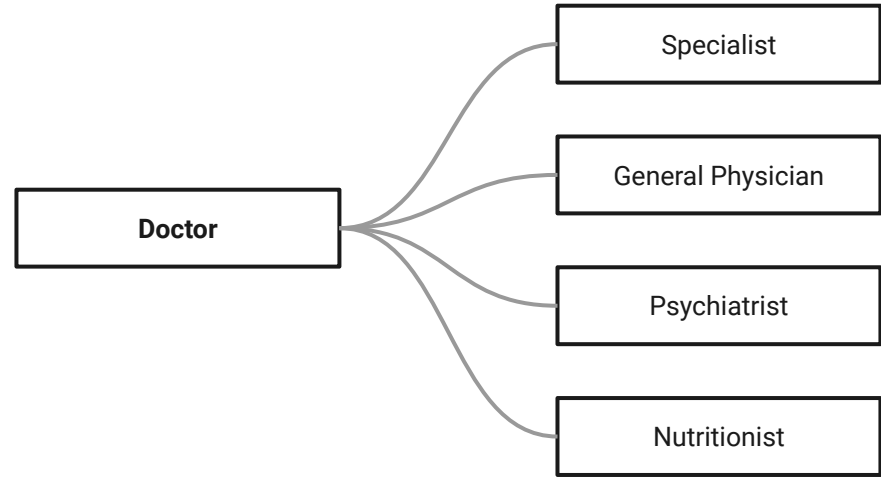
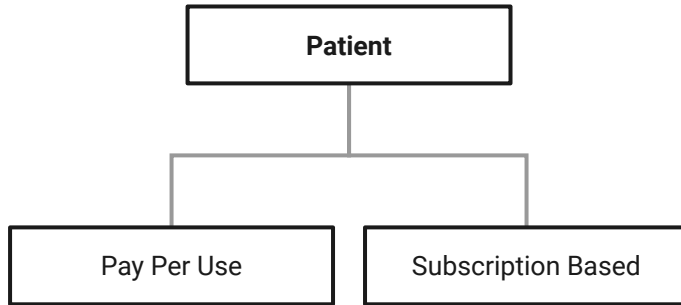
- Treatment of common/minor illness.
- First stage diagnosis and treatment of more serious illness.
- Primary Health Care/Family Physician consultancy.
- Psychiatrist + Nutritionist consultancy.

Mobile-Doc is platform that enables-

- An all in one platform to provide medical assistance
- Freelance employment to doctors
- Medical service to rural areas

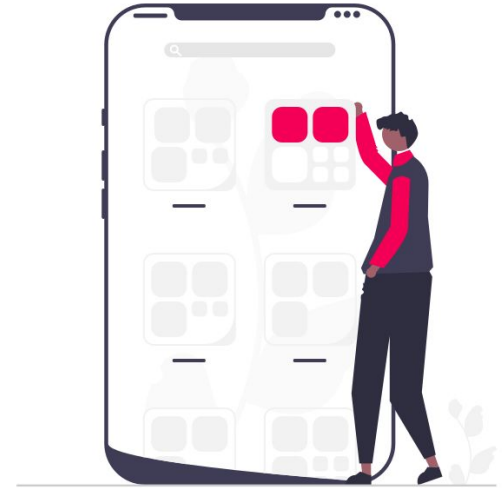


Types of users



Modules

- Collecting user submitted medical history
- Submit problem/symptoms
- Scheduling
- Video call
- Digital report of each session
- List of diagnostic centers
- List of curated Pharmacy
- Review of a session





Features of Modules



Mobile-Doc

Submit problem/symptoms



- Automated Symptoms **Suggestion**
- Attach previous reports (EHR / pdf)
- Attach image / files (for test report)

Added Symptoms

Fever ✕

Cough ✕

Also Add

headache ✕

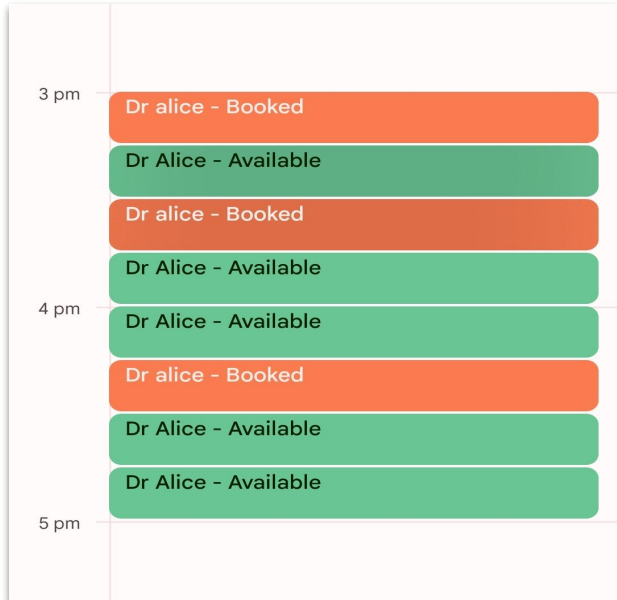
tiredness ✕

loss of smell ✕

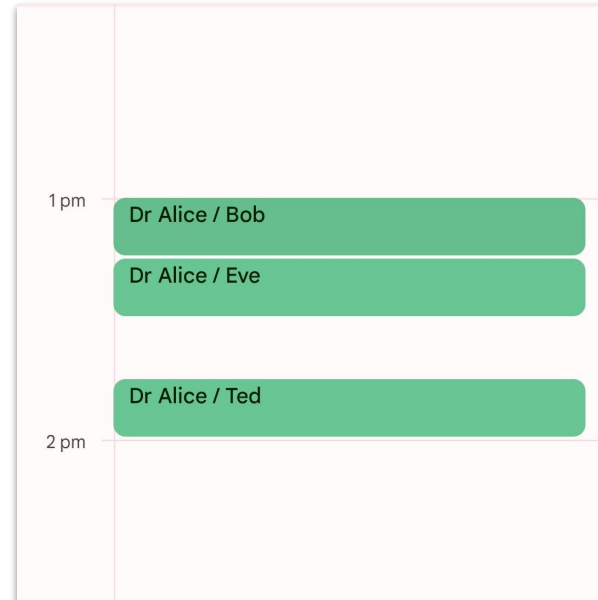
loss of taste ✕

Scheduling

- List of doctors and their available times
- Patients book a schedule



- Rescheduling

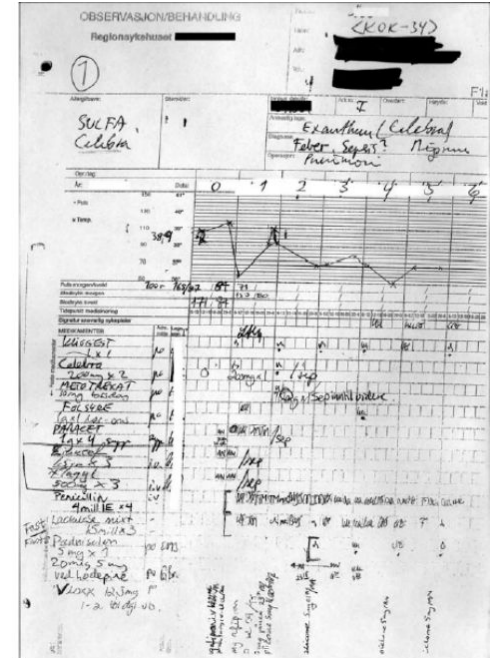


Electronic Health Record (EHR)

Medical history, diagnoses, medications, treatment plans, allergies, radiology images and test results.

Source of Information:

- 1) Previous medical history using patient_id
- 2) Info collection while creating account



Review of a session



3 Stage review:

- 1) Immediately after session
- 2) After recovery period

If needed then,

- 3) Double blank peer review test (2-3 doctors)

Patient Submitted Symptoms

No Patient Name

Doctor's Diagnosis

No Doctor Name

Suggested Tests and
Treatment

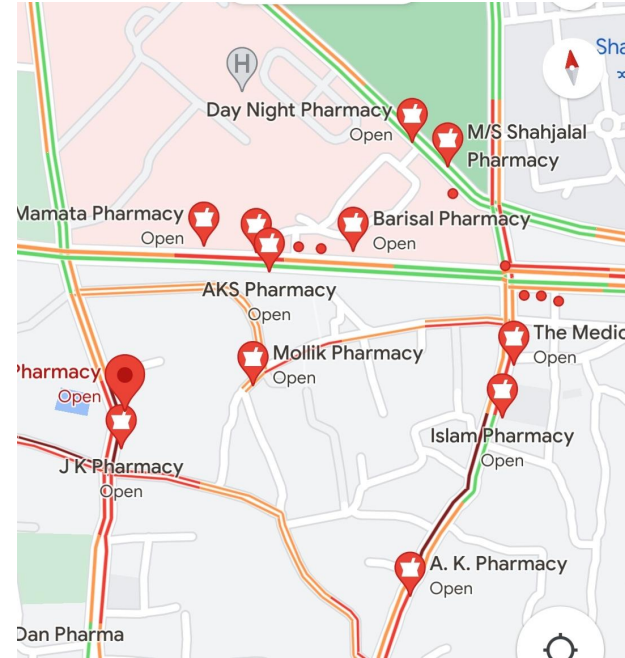
List of Cured Pharmacy and Diagnostic Center

Location

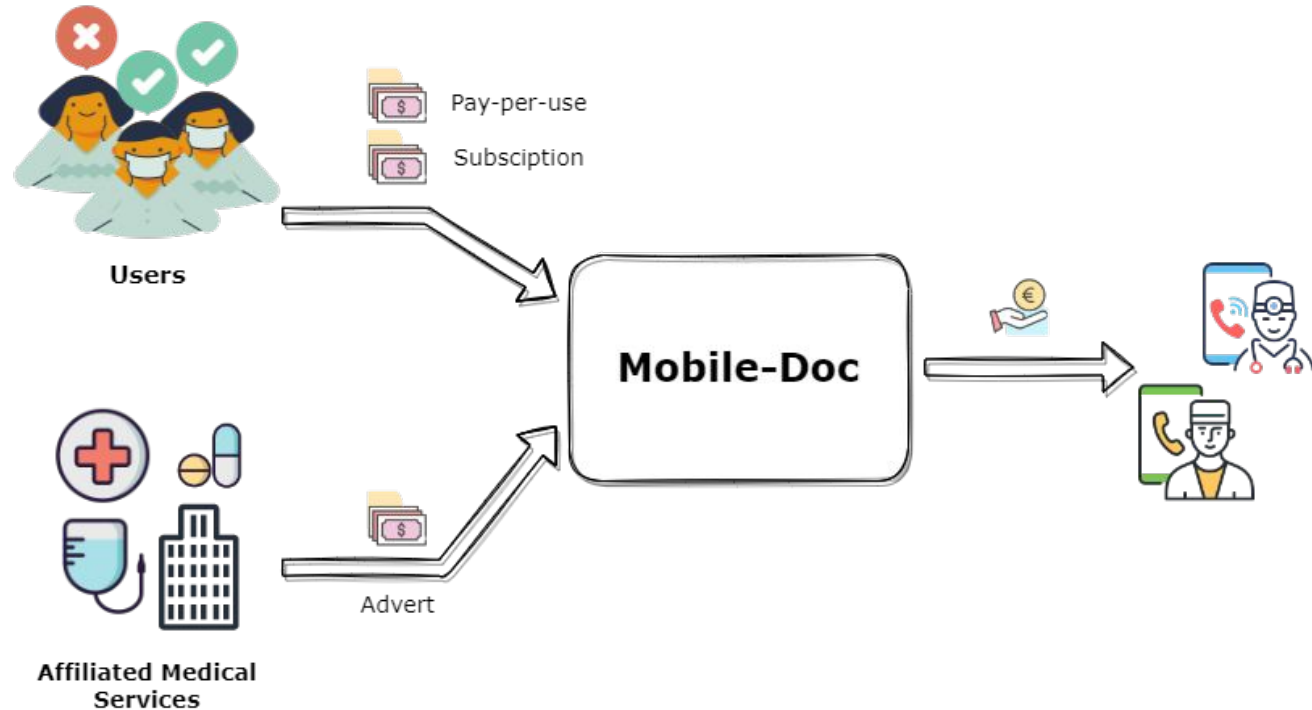
Phone number

Home Service availability

Optional: Advertisement



Revenue Model



Future Work



- Create Analytics from patient data.
- Machine Learning (ML) model to predict treatment and medicine from patient symptoms.



Thank You



Mobile-Doc