

TECHTM

Estimate and
Scope of Work (SOW)

For

HealTrail

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2 INTRODUCTION

Techtm will develop a website along with an android application for HealTrail, whose primary goal is to provide functionalities from a Doctor's view which include scheduling of appointments online, getting payments online, and track patient medical history and display charge list of doctors, hospitals and diagnostics to a patient.

Techtm will develop the following:

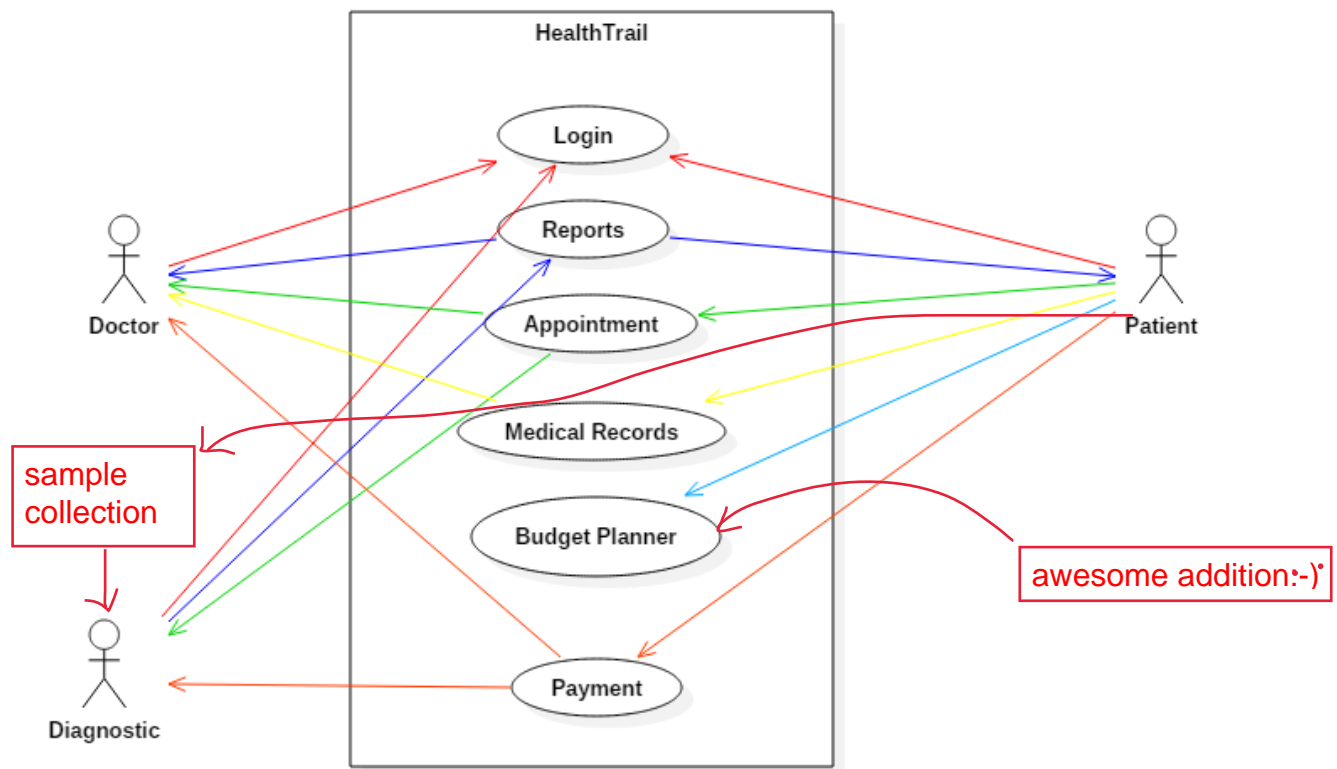
1. Website
 - a. Doctor
 - b. Patient
 - c. Diagnostic
2. Android Application
 - a. Doctor
 - b. Patient
 - c. Diagnostic

In this SOW the details discussed will be in context with the website. Specific feature list will be included for the android applications as well.

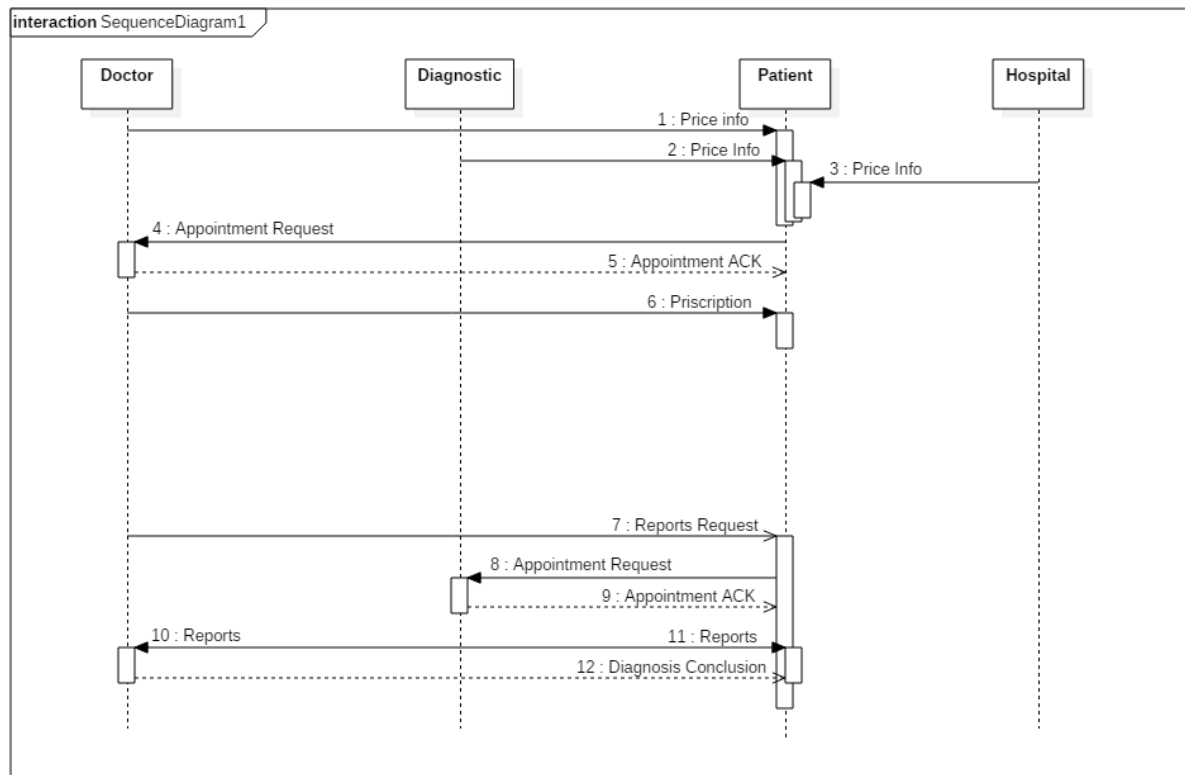
3 SYSTEM STRUCTURE

Following are the modules for the system:

1. GUI
 - a. Website (Patient)
 - b. Website (Doctor)
 - c. Website (Diagnostic)
 - d. Android App (Patient)
 - e. Android App (Doctor)
 - f. Android App (Diagnostic)
2. Database Design
3. Login System
4. Appointment System (Patient – Doctor)
5. Appointment System (Patient/Doctor - Diagnostic)
6. Patient's Medical History Storage/Accessing
7. Report delivery (electronic form)
8. Displaying information (Prices)
9. Payment System – Payment from Patient to HealTrail



4 SYSTEM FLOW



Dude see if u can add the payment part as well. A friend of mine was saying its pretty simple and won't take much time as well. (i know u havent worked on it before but you'll gain experience...)

i want u to add a video calling feature as well... where the patient can pay the doctor directly online for consultation...

5 PATIENT'S APPLICATION

Features:

1. Login
2. Pricing - (Doctor and Diagnostic Charges)
3. Schedule Appointment and Pay – Doctor
4. Schedule Appointment and Pay– Diagnostic (After Confirmation from Doctor)
5. Bills and Payment
6. Reports Displaying
7. Medical History Access

add a blog where in patients receive articles by doctors based on their disease...

View hospitals for a particular condition and see prices.(if possible add insurance company to make a claim) Patients also can see which doctors are available in the hospital and timings...

6 DOCTOR'S APPLICATION

Features:

1. Login
2. View Appointments
3. View Patient's Medical History
4. View and Store Patients Symptoms and Disease
5. View Patients Reports
6. View Patient List
7. Save Prescription
8. Request Reports for Patient
9. Bill Generation for HealTrail

they don't need to store patient data. They can view their profile that too only if the patient creates an appointment with the doctor.

7 DIAGNOSTIC'S APPLICATION

1. Login
2. Patient List
3. Report Request from Doctor
4. Schedule Request from Patient
5. Report sending to doctor and patient
6. Bill Generation for HealTrail

7. Based on the patient request samples have to be collected from his house.

8 TECHNOLOGIES USED

The system will be implemented using the following:

1. Website
 - a. Bootstrap – Front end
 - b. PHP – Back end
 - c. MySQL – Amazon Cloud
2. Android Application
 - a. Java (Android Studio) – Front end
 - b. PHP – Back end
 - c. MySQL – Amazon Cloud

A common back end will be developed for the system which can be connected with both the website and the android application.

9 SUGGESTED STEPS TO BUILD THE SYSTEM

Once the proposal is accepted then we suggest the following steps for building the application-

- 1) Techtm spends time in understanding the requirements in detail and makes an RUD and sends it for approval.
- 2) Once RUD (Requirement Understanding Document) gets approved, further changes are considered as CR (Change Request) and will be considered during UAT (User Acceptance Testing).
- 3) Techtm sends test cases and needs approval from client.
- 4) Development of the mobile application starts
- 5) Project planning is done and few interim releases are given to client
 - a. They test it and give their feedback
 - b. Each release will have some sign offs to be done e.g. in one of the initial interim releases client will need to sign off functionality
- 6) Final release is given. UAT is done
- 7) Project closure

10 ASSUMPTIONS

- The app will run in portrait mode only.
 - The app will run on Android Smartphones only
 - Android: Application will support Lollipop 5.0 and above.
 - Wireframes will be provided by client for both website and application
 - Application and website will be in English language only.
 - Application will run in a not updated in offline mode.
 - Drugstore and Wellness Centre modules are not included
 - Payment gateway can be added after 31st October,2016
- we will be needing an ios app as well... later though...

11 ESTIMATES

#	Module	Website (Hrs.)	Android (Hrs.)
1	DB Modelling	8	
2	DB Generation	5	
3	Wireframe	8	8
4	GUI Design	20	20
5	Login Module	20	10
6	Front-end Scripting	10	10
7	Back-end Scripting	30	30
8	Testing and implementation	15	15
Total		211	

Cost per Hour: Rs.150

Number of Resources: 3

Deadline: 31st October, 2016