Mobile APP and Web App Development:

The designing of Mobile APP and website will be of high quality with a clean, elegant and lightweight look and feel and with a customized design, which will be written coded from the scratch using Native Android code, Native code, PHP, My SQL, HTML 5, CSS, J Query, Ajax, Bootstrap 3.0and etc.

Process Flow:

Roles:

1. Patient login
2. Physiotherapist login
3. Admin login

Modules

1. Patient login
    a. Patient is a person who can make a request to the primary centres regarding the request by login
    b. Patient can give their feedback to the primary centre regarding the service
    c. Patient can check their service status report

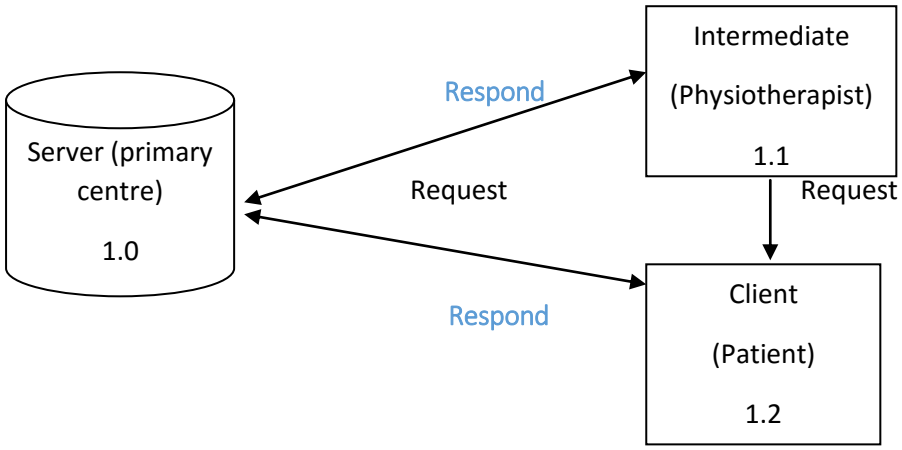
2. Physiotherapist login
    a. Physiotherapist login will be given by the admin
    b. Physiotherapist can check their appointments in notification
    c. Physiotherapist can check their complete service history in reports

3. Admin login
    a. Admin is a super user can track the complete process
    b. Admin will track the request from the Patient and allot the persons for the service
    c. Admin can edit the price and details on the website
    d. Admin will maintain the Patient and physiotherapist details

4. General Features for website
    a. Website will be developed in responsive theme
    b. Payment gate integration will be done as per the Patient provides (pay pal, Pay u money etc)
    c. Sms integration for notification will be done
    d. Service details can be edited by the admin
    e. Location tracking option will be enabled using mobile GPS

5. General Features for App
    a. App Developed in MVC Patterns
    b. App Developed by Native code
    c. App using J son Request to communicate Server. Comparing SOAP calling its 3 times faster response from server.
    d. SMS Integration
    e. Apps will be submitted and available from Android Market place.

Diagram



Server (primary centre) 1.0

a. Server waits for the response from the client or intermediate for the communication
b. Once the sever are request from the client it store the data's and communicate with the actual response with the client or intermediate
c. Server store all the data's and details of the client and the intermediate
d. As per the request by the client or the intermediate the data will be acknowledge from the server
e. If there is no response from the intermediate then it search for the available node

Intermediate (physiotherapist) 1.1

a. Intermediate will wait for the request from the server when it's in online
b. Server will sent the request to the intermediate when it's in online
c. If the intermediate is in online it acknowledge to the server if it's in offline it won't accept the request given by the server
d. Once the task is completed the intermediate will close its task by sending the finished acknowledgment to the server

Client (customer) 1.2

a. The client will request the server for the process
b. Once the server receives the request it will reply the client as per the data requested

Detailed explanation

Client (customer)

a. Patient is a end user who will request a service to the primary centre as per their need
b. Patient will login using the mail id in the mobile app for the request register
c. profile details can be change by the Patient
d. once the Patient register a request to the server the server will automatically accept the request and send the acknowledgement to the client
e. the Patient will book an appointment to the primary centres as per their free time once the Patient books an appointment automatically the service charge will be shown to the client
f. when the Patient books the appointment they select the service they need and send the request to the primary centre
g. client can check the service time and estimated arrival time for the appointment they requested in the status
h. appointment details and service details can be viewed in the reports for the future reference

Server (primary centre)

a. primary centre are the location where all the client and physiotherapist data's are stored
b. once the client request for an appointment the primary centre will store all the data's including the geo location of the client
c. the received appointment will be allocated to the available physiotherapist in the geo location of the Patient
d. the complete details of the appointment fill be send as a notification to the physiotherapist
e. the service charge will also be sent to the physiotherapist
f. the invoice will be generate from the server once the appointment allocated to the physiotherapist when the appointment closed by the physiotherapist the invoice will be send from the server to the client via sms and email
g. all the invoices and the appointment history will be stored in the server for the future reference
h. physiotherapist details and Patient details will be maintained by the server

i. all the option can be changed and can be edited only in the server by the admin

Intermediate (physiotherapist)

a. the physiotherapist will get a user name and password from the admin in the primary centre
b. the physiotherapist will get the notification regarding the appointment on the mobile app
c. the appointment notification receive with the geo location of the Patient with address

d. physiotherapist can make them as online if they are ready for the appointment if not they make their status as offline so that they won't receive any appointment from the primary centre
e. once the physiotherapist reached the Patient location they have to click the acknowledge button so that the primary centre can know that the person attends the Patient if time delay they can send some other from the geo location of the Patient
f. once the physiotherapist complete the appointment they have to close the request so that the invoice will be generated automatically from the primary centre and will send to the Patient via sms and email
g. when the invoice amount is collected from the Patient the physiotherapist have to acknowledge the primary centre so that it will be send as a notification to the primary centre for their reference