CITY UNIVERSITY

COMPUTER SCIENCE AND ENGINEERING

SYSTEM ANALYSIS AND DESIGN LABORATORY

CSE 326

DESIGN AND DEVELOPMENT OF ONLINE DOCTOR APPOINTMENT ANDROID APPLICATION SYSTEM

DOCTOR'S CHAMBER

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1 BRAIN STORMING

1.1 Smart Man Power Solution

This Is An Android App. Its Abilities To Provide Dynamic, Disciplined And Dedicated Services In Labour Contract , Packaging Services , Security And Housekeeping.(1)

1.2 Travel Guide Solution

Use Travel Guide Solution App We Can Easily Travel One Place (Historical) To Another Place. We Can Easily Find Out Where Our Historical Place Situated. We Mark Where Our Historical Place Situated In Google Map, With Short Description.(2)

1.3 Doctor's Chamber Information

Here Our All Doctor's Information Include. Individual All Doctor's Phone Number, Chamber, Which Specialist. Man Can Easily Find A Doctor Details. Its Very Helpful Our Society.

2 PRIORITY MATRIX

NO	COST	TIME	FESIBILITY	LOCAL DOMAIN	TOTAL
1	10%	15%	10%	24%	59%
2	15%	18%	24%	24%	81%
3	18%	20%	24%	24%	86%

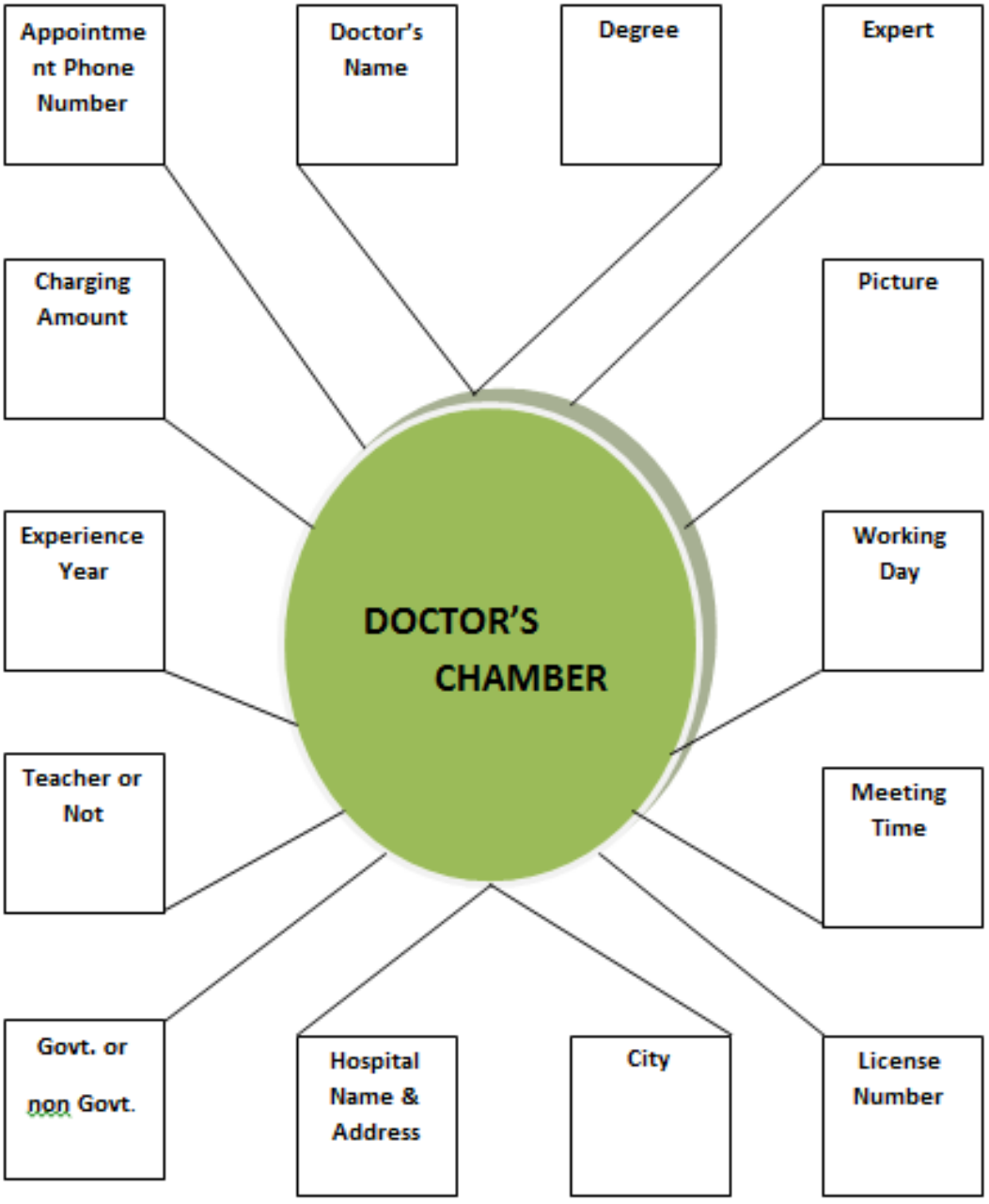
Figure 1: Priority Matrix

3 PROJECT SELECTION

From Priority Matrix We Select Our Project

DOCTOR'S CHAMBER INFORMATION

4 CONCEPT MAPPING



(3)

Figure 2: Concept Mapping

5 REQUIREMENT ANALYSIS

5.1 Hardware

(i) Pc
(ii)Server Pc
(iii)Net

5.2 Software

(i) Android Studio
(ii)Emulator
(iii)Java Run Time Environment
(iv) MySql
(v) Server Side Language(Php)
(v) Browser

5.3 Other

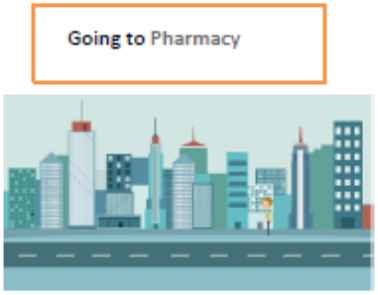
(i) Hospital Survey

6 STORY BOARDING

6.1 Before Using App

Two Days Ago

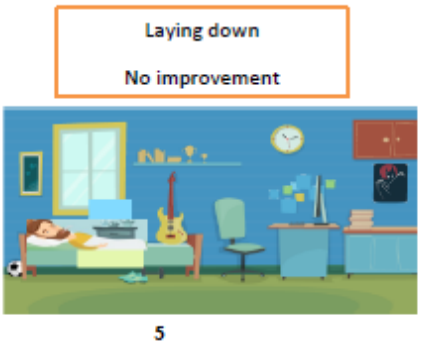
1



2

3

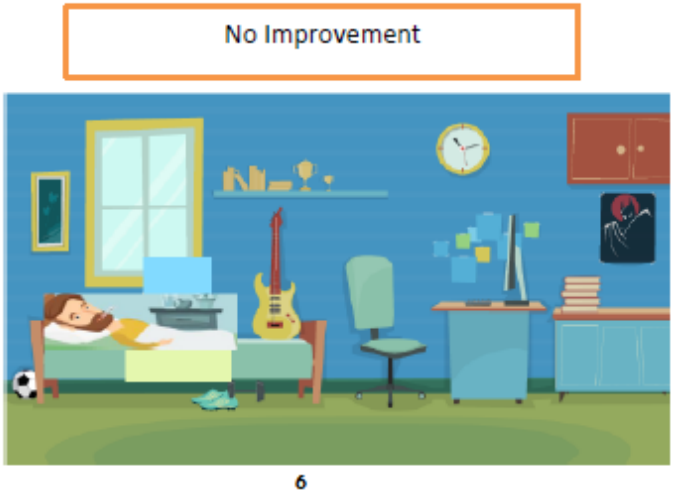
4



5

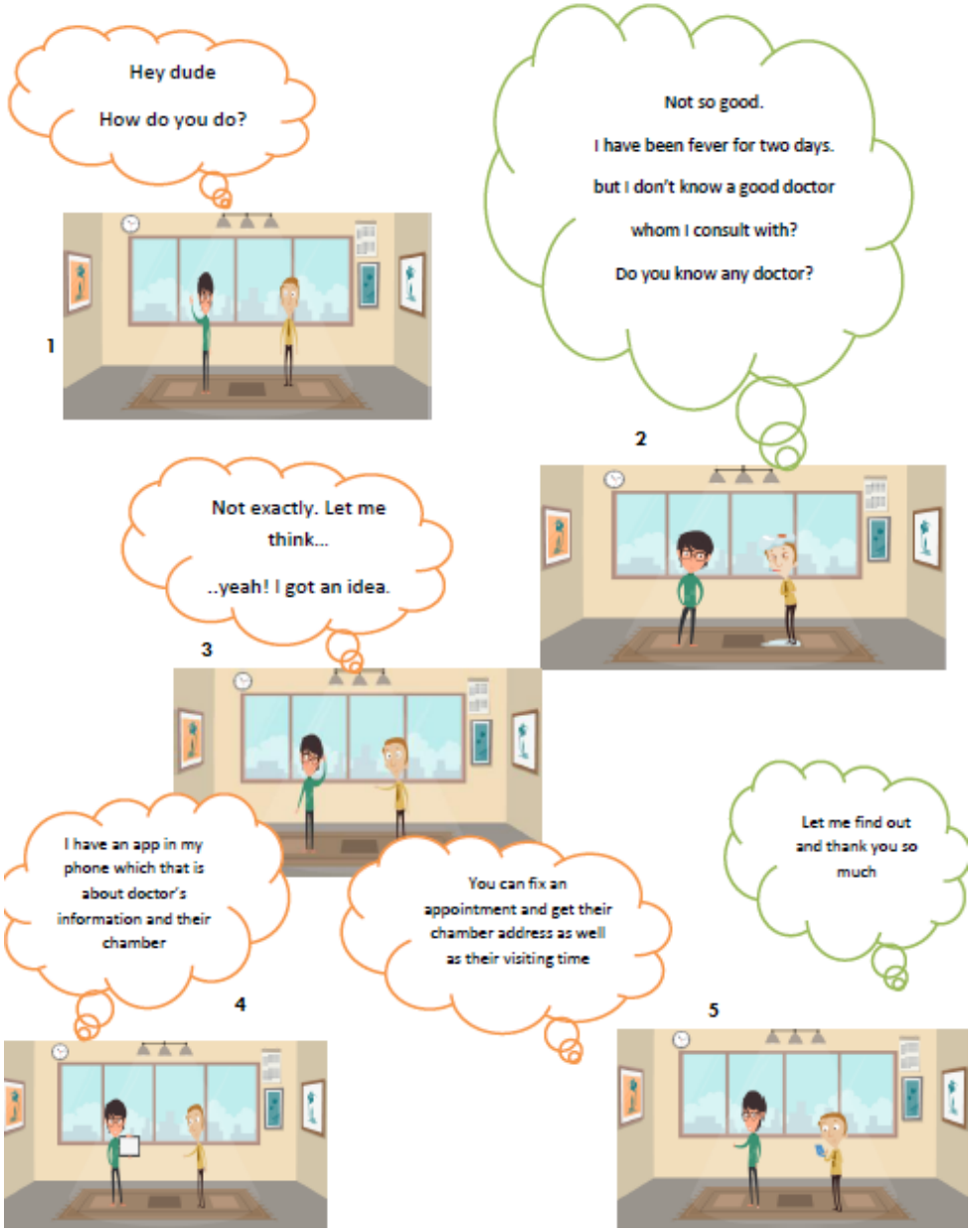
Before Using App

Previous Day



6.2 After Using App

Present Day At Afternoon



After Using App

Next Day At Morning

Going to the hospital

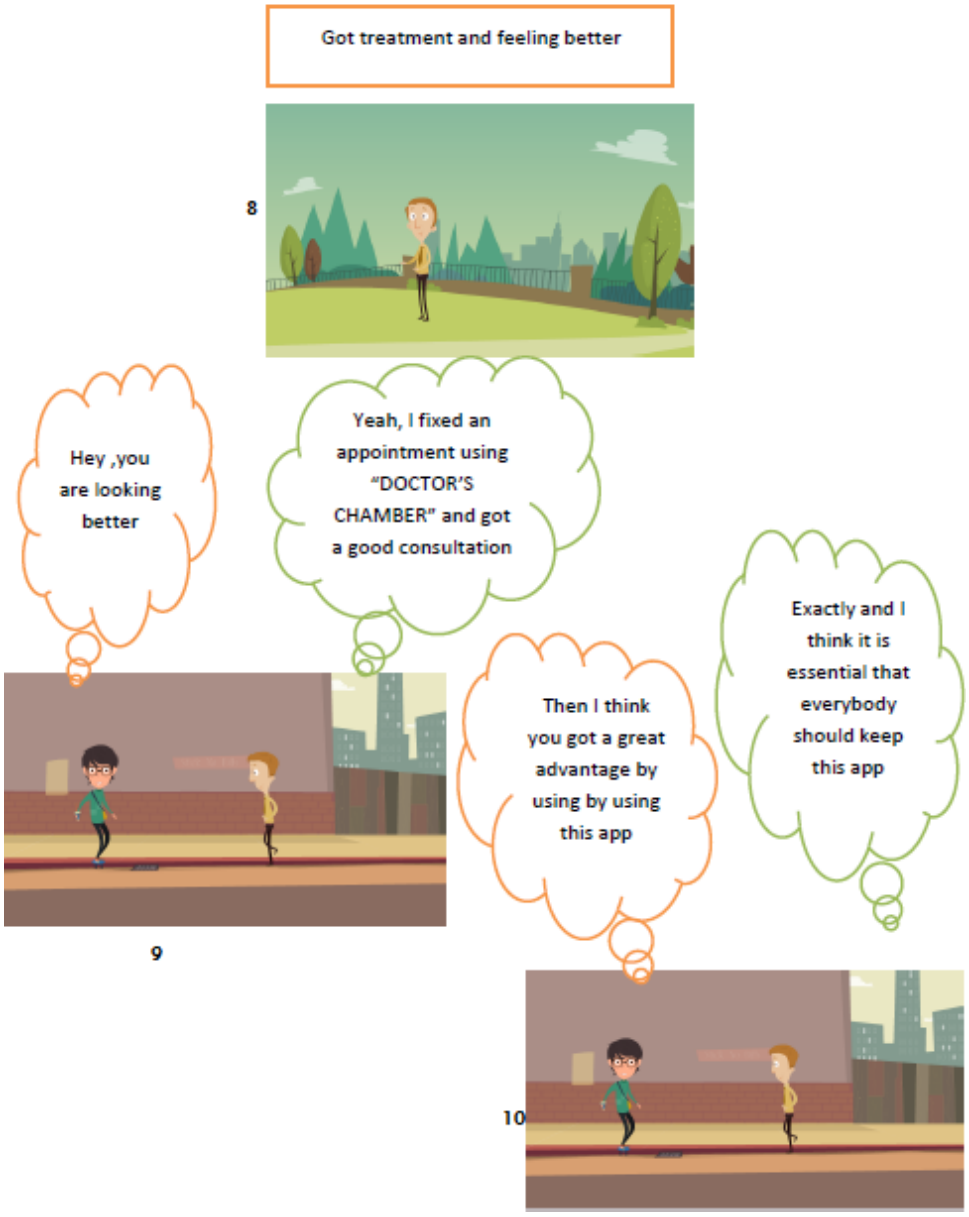
6

Consulting with doctor

7

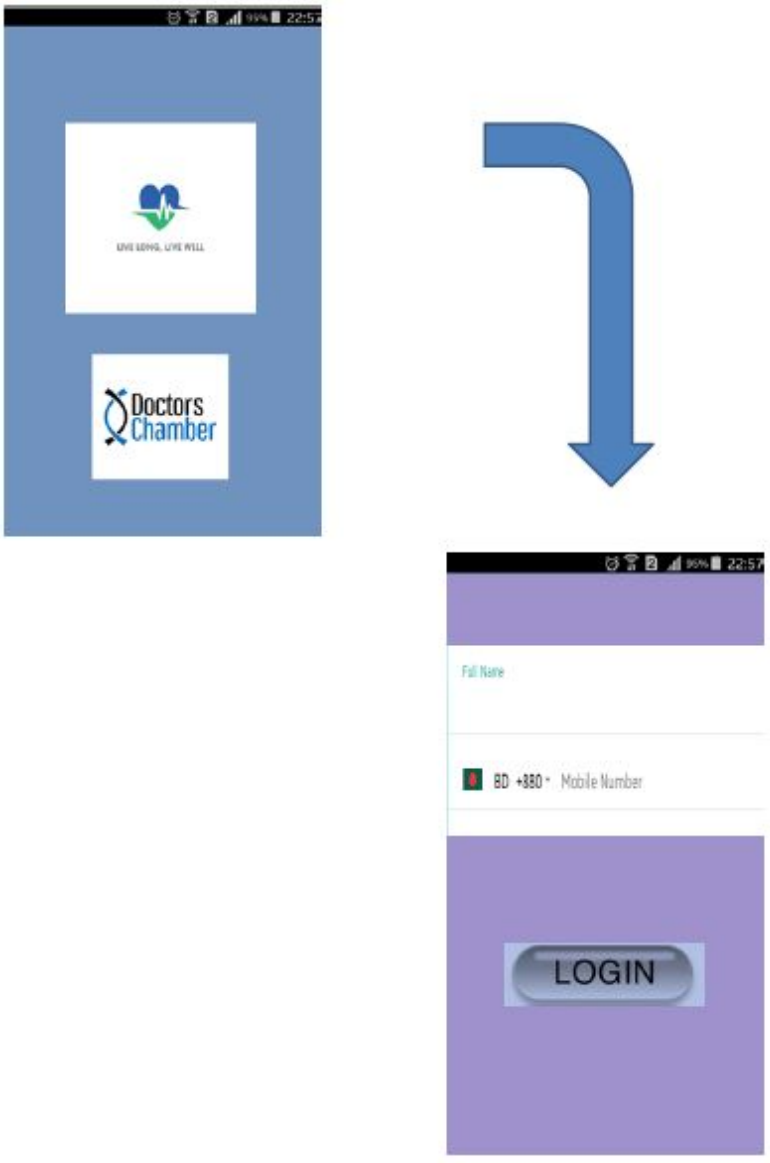
After Using App

Same Day At Afternoon.....

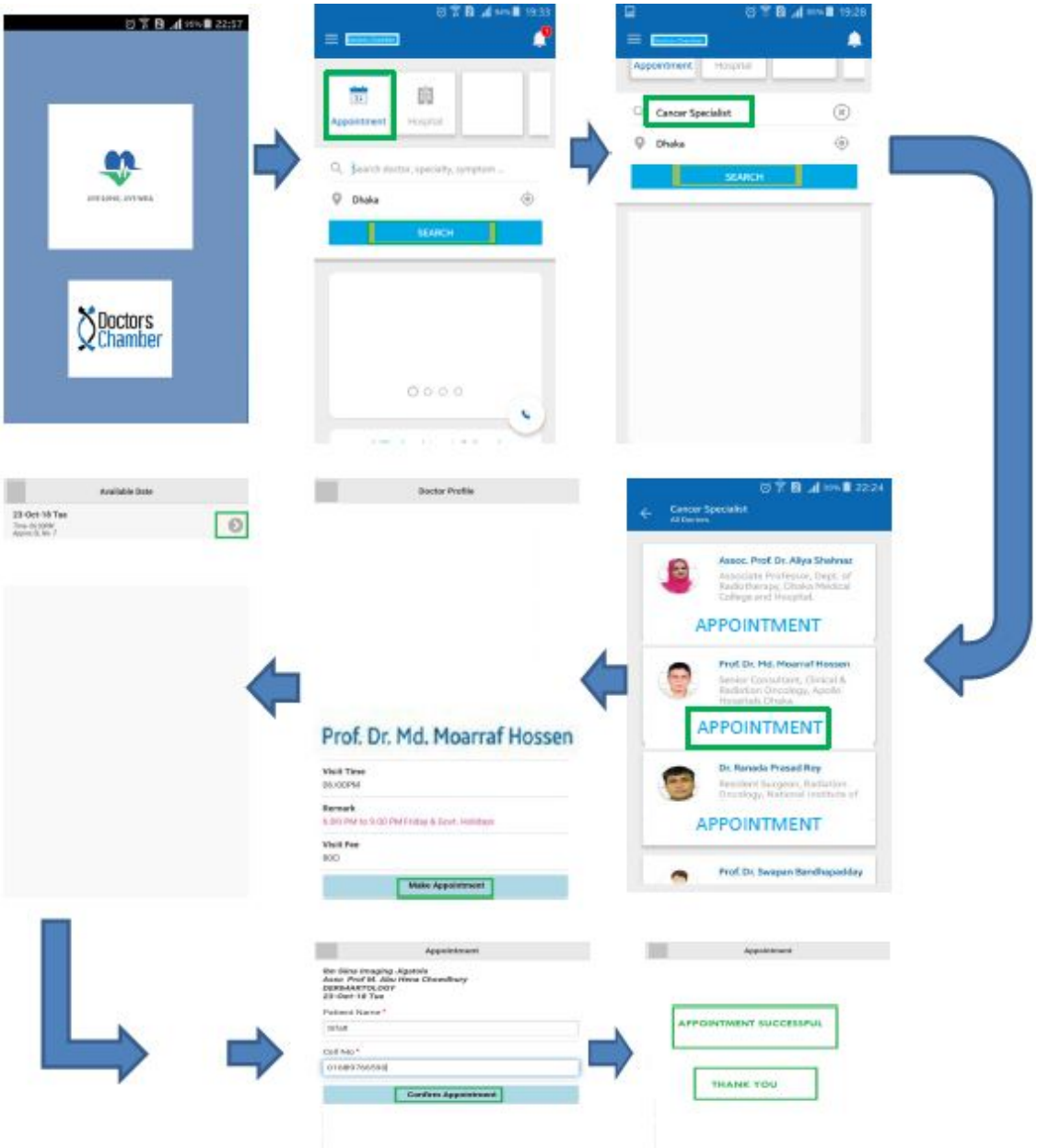


7 PROTOTYPING

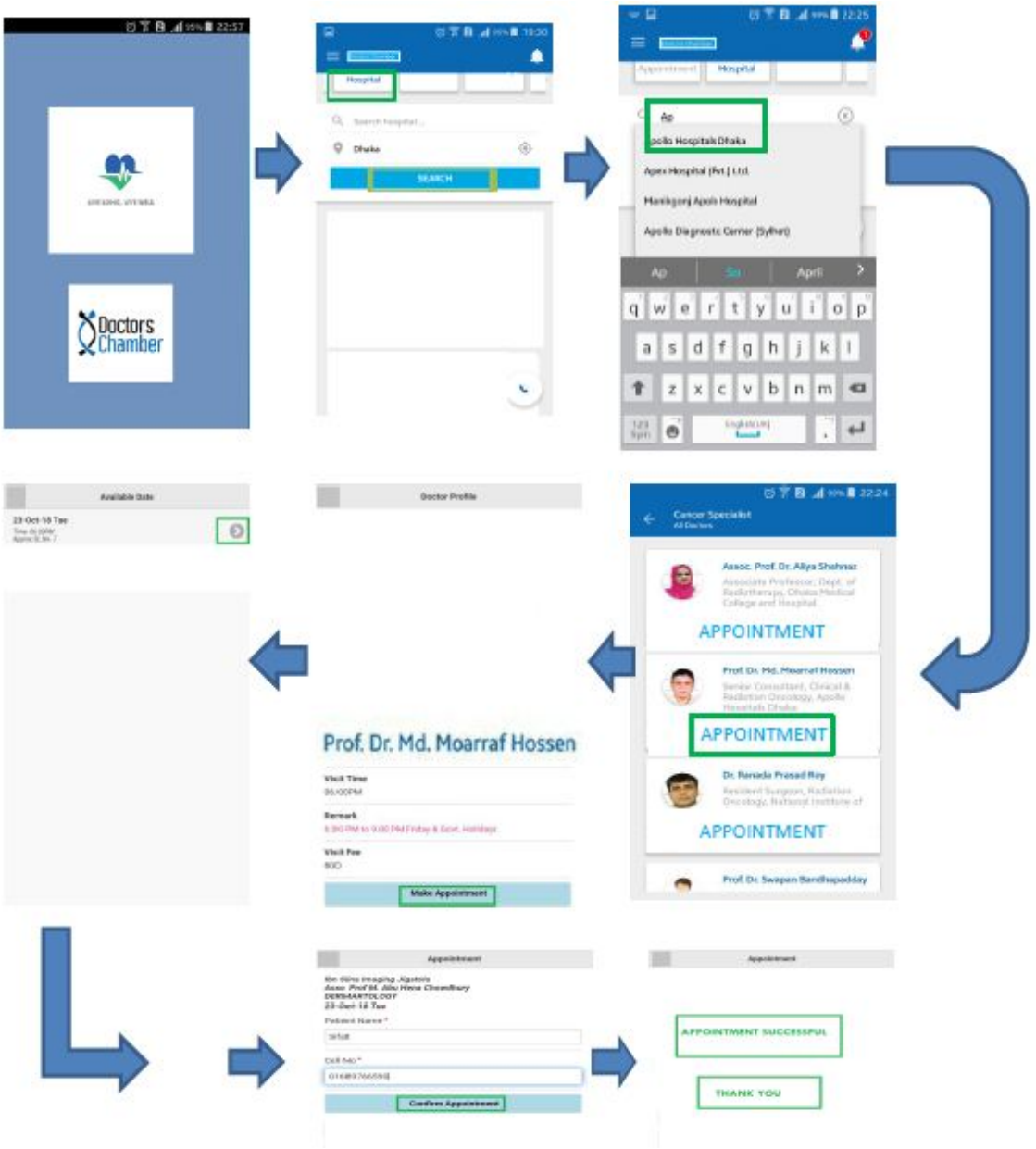
7.1 Log In App



7.2 Search By Specialist



7.3 Search By Hospital



8 USE CASE DIAGRAM

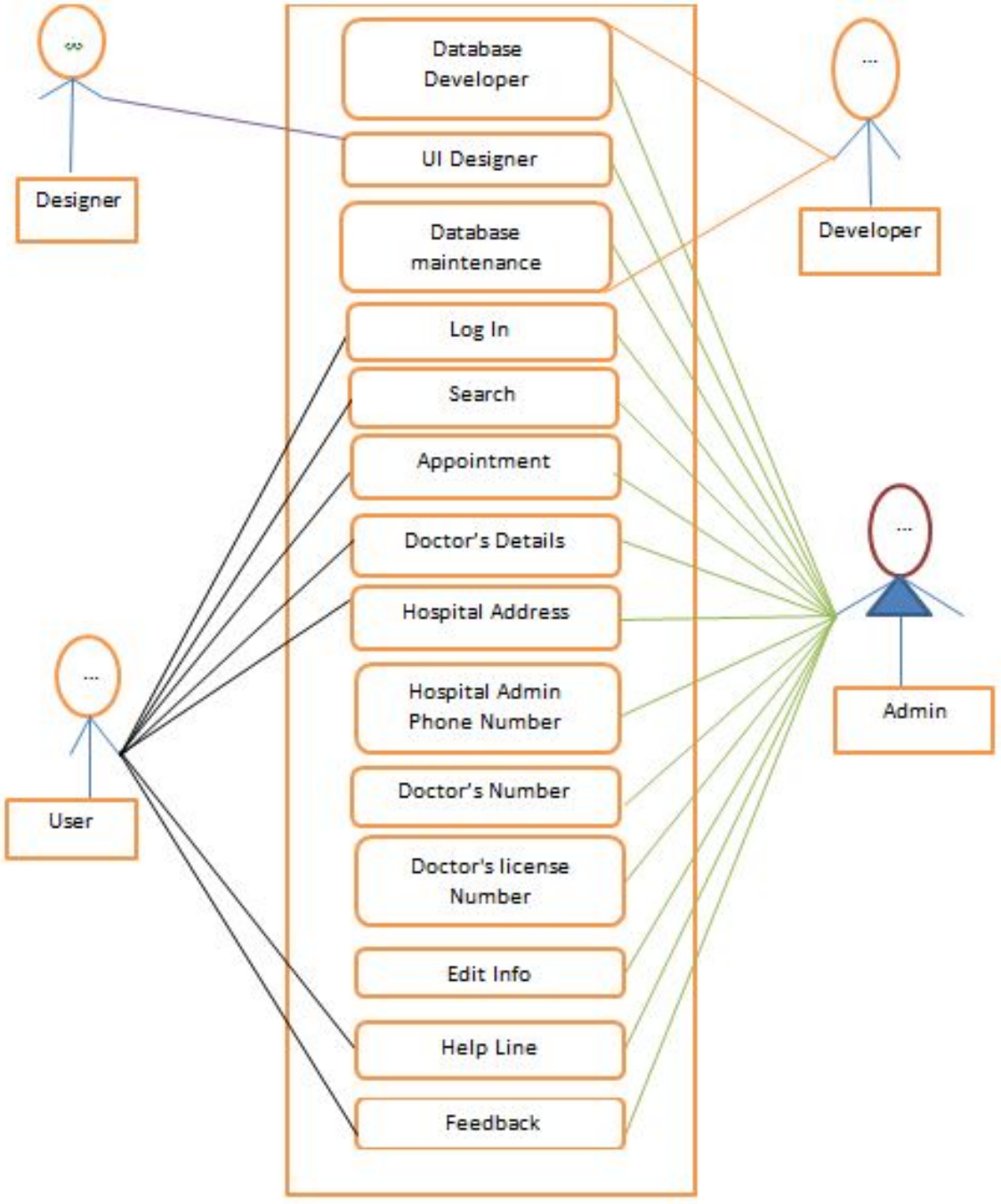


Figure 3: Use Case Diagram

9 SEQUENCE DIAGRAM

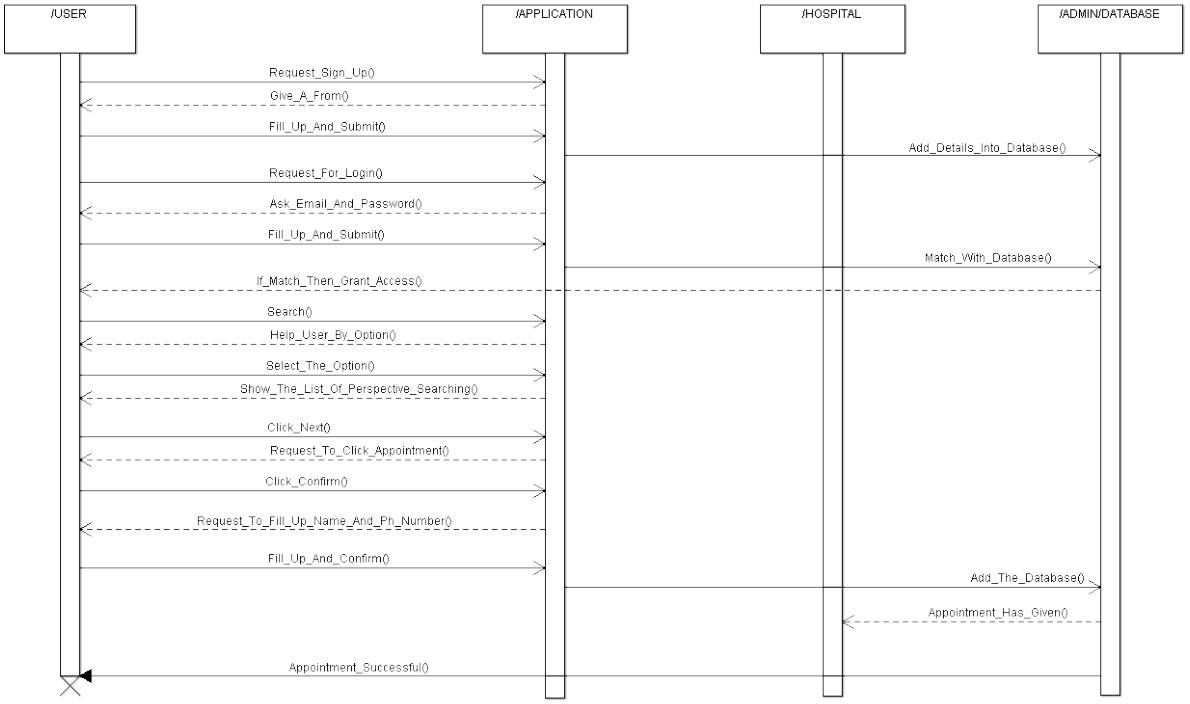
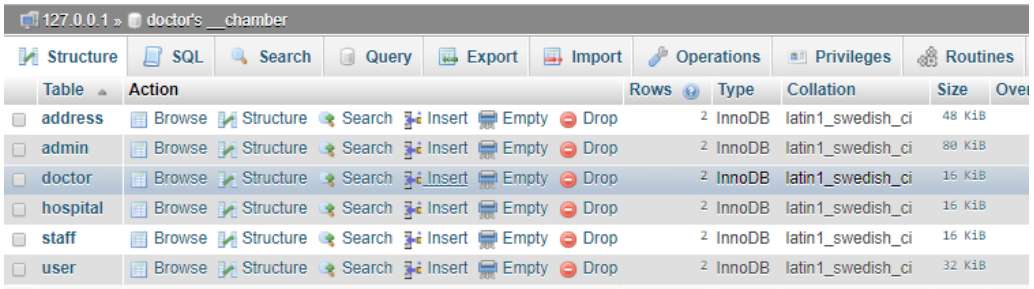


Figure 4: Sequence Diagram

10 DATABASE DESIGN

10.1 Full Table Of DataBase



10.2 Doctor Table

Doctor_Id	Doctor_Name	Appt_Time	Exp_Year	Specialist	Charging_Amount
201	Dr. Simu Rahman	22:00:00	3	Gastroenterology	800
202	Dr. Sadia Rhman	20:00:00	6	Cancer	1000

10.3 Hospital Table

Hospital_Id	Hospital_Name	Hospital_Phone_Number	Specialist
301	Sumona Hospital	0175*****	Gastroenterology
302	National Medical	0185*******	Cancer

10.4 User Table

User_Id	User_Name	User_Phone_Number	Appt_Date	Appt_Time	Doctor_Id
401	Sifat	0195******	2018-11-08	22:00:00	201
402	Samia	0145*****	2018-12-19	20:00:00	202

10.5 Address Table

Address	Area	District	Hospital_Id	Doctor_Id
6/B Uttor Badda	Badda	Dhaka	301	201
7/B Zigatola	Dhanmondi	Dhaka	302	202

10.6 Admin Table

S_Id	D_Id	H_Id	U_Id	Id
601	201	301	401	1
602	202	302	402	2

10.7 Staff Table

Staff_Id	Staff_Name	Staff_Cell	Staff_Address	Designation
601	Zaman	0184******	Rampura	Designer
602	Riyad	0168******	Dhanmondi	Developer

11 DATA BASE SCHEMA

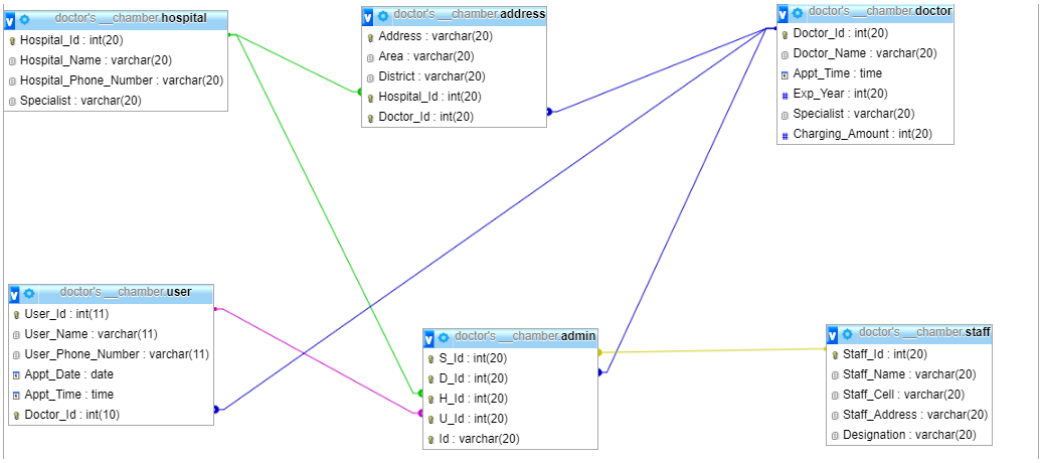


Figure 5: Data Base Schema

12 DATA FLOW DIAGRAM

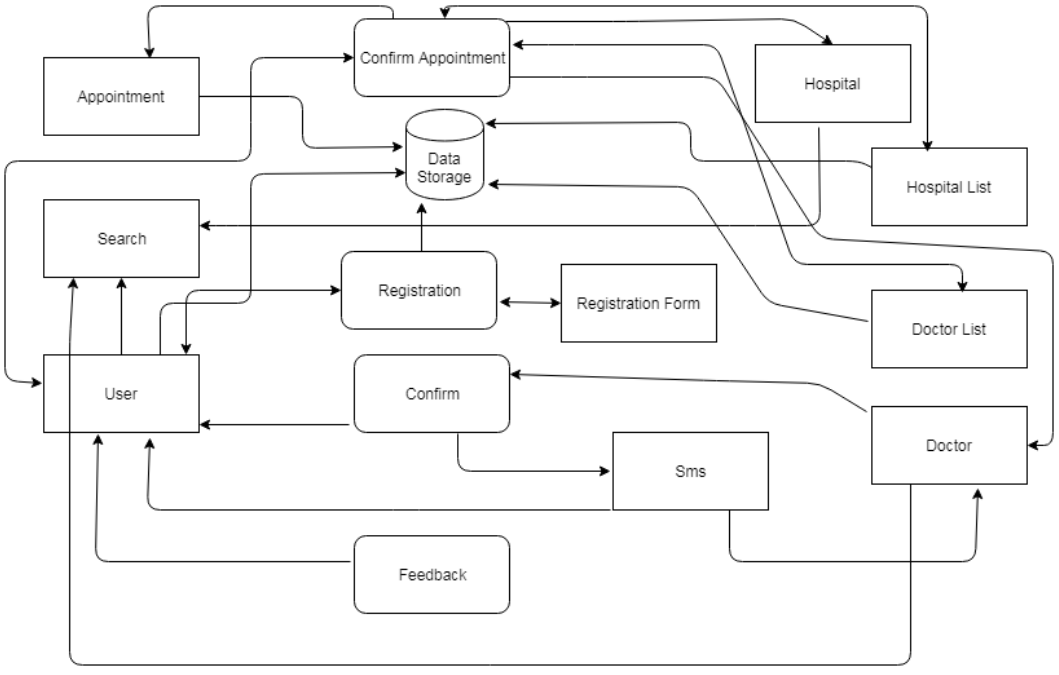


Figure 6: Data Flow Diagram

13 ER DIAGRAM

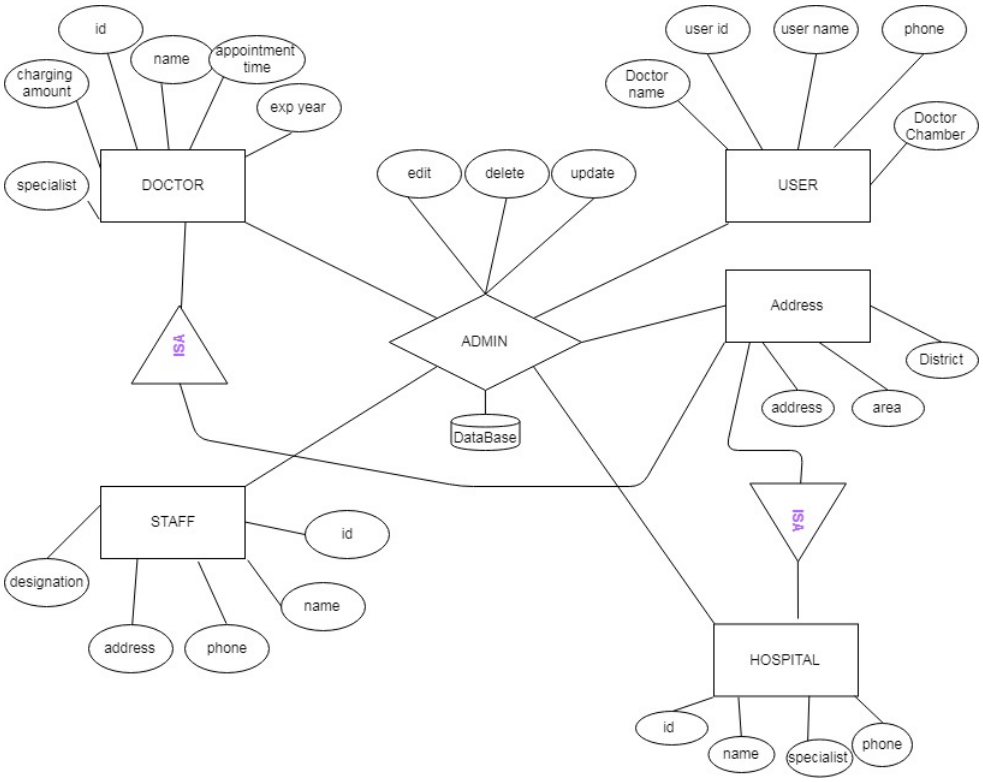


Figure 7: Er Diagram

14 ACTIVITY DIAGRAM

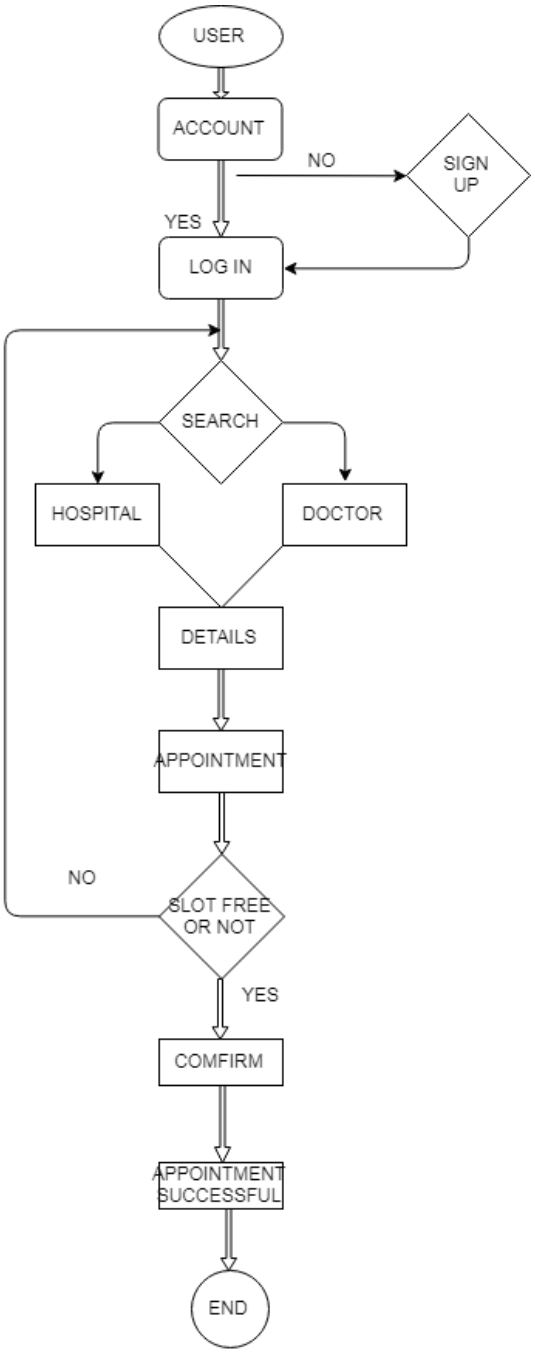


Figure 8: Activity Diagram

References

[1] https://en.wikipedia.org/wiki/ManpowerGroup

[2] https://en.wikipedia.org/wiki/Guide_book

[3] https://en.wikipedia.org/wiki/Concept_map