
Minutes of Meetings For Vaccination App Group#9

Mentor: Dr. Sarmad Ali
Client: Dr. Noman Javed

Group Members:

1. Muhammad Imtiaz (15026420)
2. Muhammad Haroon (14031184)
3. Zainab Malik (15026433)
4. Bilal Yousaf (14031236)
5. Atiq Zaman (15026391)

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First Meeting

Group No	9
Meeting Date	Friday, January 05, 2018
Meeting Time	10:00 AM – 10:30 AM
Duration	30 min
Location	Dr. Sarmad office
Facilitator	Dr. Sarmad Ali (Mentor)

1.1 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.2 Discussion

- Platform to make this application should be Android.
- A cloud base database should use, which will be a firebase.
- All client requirements must be completed.

1.3 Conclusion

- Watch Android development tutorials.
- Watch Firebase tutorials.
- Every member should work on design part.

1.4 Task Allocation

Action	Owner	Due Date
Prototype and design	Atiq uz Zaman	13 January 2018
Download tutorial videos of android	Haroon	13 January 2018
Process model, database design	Imtiaz	13 January 2018
Requirements collection from client and user	Bilal	13 January 2018
Managing schedule and meetings	Zainab	13 January 2018

Second Meeting

Group No	9
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Meeting Date	Friday, January 13, 2018
Meeting Time	10:00 AM – 10:30 AM
Duration	30 min
Location	D area at campus
Facilitator	Group members

1.5 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.6 Discussion

- Review on user interface
- Collaborative work on CRC cards
- Paper prototype
- Discussion on main motive of our app
- Discussion on constraints of our app

1.7 Conclusion

- Make more interactive interface
- Start working on firebase
- completion of first version of interface design

1.8 Task Allocation

Action	Owner	Due Date
Complete the Prototype and design	Atiq uz Zaman	19 January 2018
Start implementation on android interface	Haroon	19 January 2018
Complete your database design part	Imtiaz	19 January 2018
Start working on implementation	Bilal	19 January 2018
Start working on firebase implementation	Zainab	19 January 2018

Third Meeting

Group No	9
Meeting Date	Friday, January 19, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Dr. Sarmad office
Facilitator	Dr. Sarmad Ali (Mentor)

1.9 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P

Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.10 Discussion

In this meeting our discussion was about interface design of our app

- Selection of process model (scrum model)
- Prototype and design
- Firebase understanding
- User needs
- CRC cards

1.11 Conclusion

Design the complete running app on paper
 Specify the all activity one by one
 User interface design
 Get the requirements from client

1.12 Task Allocation

Action	Owner	Due Date
Parent interface design	Atiq uz Zaman	26 January 2018
Child interface design	Haroon	26 January 2018
Manage the meeting with client	Imtiaz	26 January 2018
Watch firebase tutorials	Bilal	26 January 2018

Watch firebase tutorials	Zainab	26 January 2018
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Fourth Meeting

Group No	9
Meeting Date	Friday, January 26, 2018
Meeting Time	10:00 AM – 10:30 AM
Duration	30 min
Location	Dr. Noman Javad office
Facilitator	Dr. Noman Javad (Client)

1.13 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.14 Discussion

Questions:

How to build a vaccination application?

What will be the requirements?

Answers:

- Build a vaccination app to make it online.
- This system must map our current registered based system
- There will be two users of this application, Parents and Vaccinators
- Vaccinator will be the employee of vaccination center
- He will be allotted and allocated by the department
- There must be a proper account setting for both users.
- Vaccinator must be able to enter data of user's child
- He must be able to enter/update/delete children record under parent's CNIC.
- Parents must be able to view their children record.
- System should be capable enough to send notification to both users about due vaccines.

1.15 Conclusion

We are encouraged to check and study the current vaccination systems. We must visit them to identify more requirements and problems which we can solve more efficient.

1.16 Task Allocation

Action	Owner	Due Date
Keep working on Parent interface design	Atiq uz Zaman	1 February 2018
Keep working on Child interface design	Haroon	1 February 2018
Make class diagrams from crc cards	Imtiaz	1 February 2018
Impliment the parent side backend database	Bilal	1 February 2018
Impliment the child side backend database	Zainab	1 February 2018

Fifth Meeting

Group No	9
Meeting Date	Thursday, February 1, 2018
Meeting Time	3:00 PM – 3:30 PM
Duration	30 min
Location	Namal Library
Facilitator	Group Members

1.17 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.18 Discussion

Discussion on allocated tasks

Collaborative merging of interface design

CRC cards review and finalization

Finalized the Class diagram

1.19 Conclusion

Our first version of user interface was ready which consists of CRC cards, class diagram, use cases and paper prototype. And we will show this basic design to our client and mentor to get their feedback.

1.20 Task Allocation

Action	Owner	Due Date
Add some more things in parent interface	Atiq uz Zaman	8 February 2018
Complete your vaccinator side interface	Haroon	8 February 2018
work on implementation of add child scenario	Imtiaz	8 February 2018
Work on add parent scenario	Bilal	8 February 2018
Implement the add vaccination scenario	Zainab	8 February 2018

Sixth Meeting

Group No	9
Meeting Date	Thursday, February 8, 2018
Meeting Time	3:00 PM – 3:30 PM
Duration	30 min
Location	Dr. Noman Javad office
Facilitator	Dr. Noman Javad (Client)

1.21 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.22 Discussion

We showed the first version of interface to our client and get his feedback
So he suggested some more features.

Information:

- Vaccinators visit homes and deliver vaccines there.
- Each department works in hierarchy i.e. District, Tehsil and union counsel.

Questions:

- How to synchronize different vaccinator's entered record under one department?
- How to implement this hierarchy?

Answers:

- There should be a centralized database where record must go into hierarchy.
- There should be a secret key provided by the department to its employee.
- Additionally, vaccinator should be able to register new parent, new child
Must be able to enter each vaccines record differently.

1.23 Conclusion

Interface design was appreciated by client and he suggest to add some more feature like notification.

Our firebase will be centralized database where records will go in hierarchy.

1.24 Task Allocation

Action	Owner	Due Date
Add some more things in parent interface	Atiq uz Zaman	12 February 2018
Complete your vaccinator side interface	Haroon	12 February 2018
work on implimentation of add child scenario	Imtiaz	12 February 2018
Work on add parent scenario	Bilal	12 February 2018
Impliment the add vaccination scenario	Zainab	12 February 2018

Seventh Meeting

Group No	9
Meeting Date	Monday, February 12, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Dr. Sarmad office
Facilitator	Dr. Sarmad Ali (Mentor)

1.25 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.26 Discussion

In this meeting, we showed the prototype and little bit implementation of code to our client and get his feedback. His reaction was good and convenient for us to understand the pros and cons of the system in a sense of client needs and requirements. He advised some more features to implement. He also told us to change interface basic look and delete unwanted features. Below are some additional changes:

- Make the Home page simple and attractive
- get some more detail of vaccinator or parents while signup
- Security (parent should not be able to enter the vaccinator side)
- Use the scrum process and do your work iteratively

1.27 Conclusion

Parent cannot enter in vaccinator side
Parent can only view his children
Vaccinator can add or delete parent and his children

1.28 Task Allocation

Action	Owner	Due Date
Work on data retrieving from fire base	Atiq uz Zaman	26 February 2018
Data entering in firebase	Haroon	26 February 2018
Use RecyclerView to show the data	Imtiaz	26 February 2018
Work on searching of childs	Bilal	26 February 2018
Work on searching of parents	Zainab	26 February 2018

Eighth Meeting

Group No	9
Meeting Date	Monday, February 26, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Library
Facilitator	Group Members

1.29 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.30 Discussion

In this meeting we discussed the implementation phase of our android vaccination app, some key points are given below:

Questions:

How to connect the android app with firebase?

How to add data into firebase?

How to implement searching in java through firebase?

Answers:

There are two ways to connect an app with firebase, one is through android studio and other is manually creating a firebase and importing JSON file into res folder of our app.

1.31 Task Allocation

Action	Owner	Due Date
Work on Calendar view (how to pick a date)	Atiq uz Zaman	2 March 2018
Getting date and making intervals to get notification on that	Haroon	2 March 2018
Use RecyclerView to show the details of children	Imtiaz	2 March 2018
Search the parent by his CNIC number	Bilal	2 March 2018
Search the child by his father cnic or by name	Zainab	2 March 2018

Ninth Meeting

Group No	9
Meeting Date	Monday, 2 March , 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Dr. Noman Javad Office
Facilitator	Dr. Noman Javad (Client)

1.32 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.33 Discussion

Client:

How am I able to search records of children, already given vaccines, vaccines which are due ones?

There should be search mechanism including variety:

Search by month, Search by district, search by tehsil, and search by parents.

As a parent I can only view all children record, and detail of each child.

I could be able to receive notification of vaccines which are due.

1.34 Task Allocation

Action	Owner	Due Date
Work on notification part	Atiq uz Zaman	12 March 2018
Remodify ineterface according to new changing	Haroon	12 March 2018
Work on RecyclerView	Imtiaz	12 March 2018
Searching by month and district	Bilal	12 March 2018
Serarching by tehsil and parent	Zainab	12 March 2018

Tenth Meeting

Group No	9
Meeting Date	Monday, 12 March, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Library
Facilitator	Group Members

1.35 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.36 Discussion

In this meeting we combine the code of individuals and make a one single android working app with addition and searching of children and parents.

Discussed constrains

Discussed coding convention to make code beautiful and similar

1.37 Task Allocation

Action	Owner	Due Date
Notification to parent and vaccinator	Atiq uz Zaman	22 March 2018
Wrote minutes of meeting	Haroon	22 March 2018
Test cases	Imtiaz	22 March 2018
Error prevention	Bilal	22 March 2018
Codign convention report	Zainab	22 March 2018

Eleventh Meeting

Group No	9
Meeting Date	Thursday, 22 March, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	Library
Facilitator	Group Members

1.38 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.39 Discussion

In this meeting we discussed about Junit testing framework and our progress on project. Mostly it is hard to test a code manually but using Junit framework one can easily test his code within a few minuts. We also discussed about assert statement through which one can easily test whole class to check whether is it working write or not. Next sub topic relating to unit testing was suit testing in which we can test many java classes at one time using this tool. At the end we combine all code which we implimented seperately and make a one stand alone application.

Below are some additional changes:

- Combining code to make a one full functinal application
- Removing bugs and testing
- Testing code with assert and suit
- Making it more user friendly

1.40 Conclusion

All test cases are working write.

1.41 Task Allocation

Action	Owner	Due Date
Work	Atiq uz Zaman	30 March 2018
Child interface design	Haroon	30 March 2018
Manage the meeting with client	Imtiaz	30 March 2018
Watch firebase tutorials	Bilal	30 March 2018
Watch firebase tutorials	Zainab	30 March 2018

Twelfth Meeting

Group No	9
Meeting Date	Friday, 30 March, 2018
Meeting Time	12:00 AM – 12:30 AM
Duration	30 min
Location	D area
Facilitator	Client and mentor

1.42 Attendees

Name	UoB	E-mail	Present
Atiq uz Zaman	15026391	Atiq2015@namal.edu.pk	P
Bilal Yousaf	14031236	bilal@namal.edu.pk	P
Muhammad Imtiaz	15026420	Naveedk2015@namal.edu.pk	P
Muhammad Haroon	14031184	haroon@nama.edu.pk	P
Zainab Malik	15026433	Zainab2015@namal.edu.pk	P

1.43 Discussion

This was the last meeting with client and mentor. We showed our working software and it's test cases through which we satisfied them. They were satisfied with the system and gave us the inspiration for group management and collaboration. We gave the documents to them for proofreading and now we can submit our project.

Final confirmation

Action
Combining and linking classes (done)
Testing report (done)
Modifying and improving design (done)
Coding convention report (done)
Client satisfaction (done)