# Client-side Environment:

1. Java 7
2. Android SDK
3. Minimum SDK Version – 16
4. Compile SDK Version - 26
5. Target SDK Version - 26
6. Android Studio – 3.0

# Mobile Screens:

**Splash Screen:** This is the first screen that gets displayed once the app is loaded. This screen shows the app logo for a second and moves on into the app.

**Login Screen:** If the user/patient is not logged into the system, this screen is shown after the splash screen. Client and Server-side validations are taken care here, and thus only valid/registered patients are allowed into the app using the login authentication.

**Home Screen**: Home Activity is the screen that user gets to see once he/she logs in using their credentials. The home screen shows the Inbox with all three different kinds of messages present in the users' inbox. This is the screen where user will be able to view and respond to his/her messages. The screen also has a search options that helps the user in searching for a message from a group of messages present. However, user can even navigate to other screens of the app from here, by utilizing the navigation drawer. This option is found as a hamburger icon on the top left of the screen.

**Profile Screen:** This screen opens, when the user clicks on the Profile option of the navigation drawer. Profile screen shows the basic details of the user, and gives the option to update his notification preferences. Notifications are received by the logged in user only if he/she selects this option available.

**Survey Screen:** When the user chooses to start a survey, that is sent to him, then, he/she clicks on the Start Survey button in the inbox. This will now take the user to the Survey screen where the user will be able to read about the survey and start the survey by clicking on the Start My Survey button. This way, all the surveys questions are displayed to the user and he/she can answer them accordingly.

**Send Feedback:** When a user wants to submit any feedback regarding the functionality of the app, or their own experience with the app, then the user can

utilize the Send Feedback option on the navigation drawer to send an email stating their troubles/experiences with the app. This way, our team will be able to enhance the performance of the app.

**Different API's Used from Client Side:**

1. To Validate a user on login and receive a token.
2. To send the device token for GCM Notifications.
3. To retrieve the list of messages for the logged in user.
4. To Notify any update in the Allow Notifications option.
5. To Submit responses for any Simple Yes/NO Question.
6. To Retrieve Survey Questions when user clicks on Start Survey.
7. To Save all the survey responses of the user.
8. To Logout user and make his token to invalidate.

**Notifications for the app:**

Utilized Google Cloud messaging to send push notifications.

## API details:

**End point URL:** ec2-34-213-60-87.us-west-2.compute.amazonaws.com/api/

JWT authentication is required for getting access to API.

- User need to send JsonWebToken and username for authentication.
- Once authenticated he can use below paths for data retrieval

| | |
|---|---|
| /login | – Login for user/coordinator |
| /savetoken | – for saving device token |
| /updatenotification | – Updates notification preferences |
| /addUser | – Adding a user/coordinator |
| /showQuestions | – get all questions |
| /submitAnswers | – submit answers to questions in survey |
| /getAllUsers | – get user details |
| /getResponses | – Responses for questions |
| /getResponse | – get response for particular user |
| /logout | – logout operation and removes devices |
| /addSurvey | – adds a survey |
| /deleteSurvey | – deletes a survey |

/Update survey – adds users and questions to survey

## Video for Android App

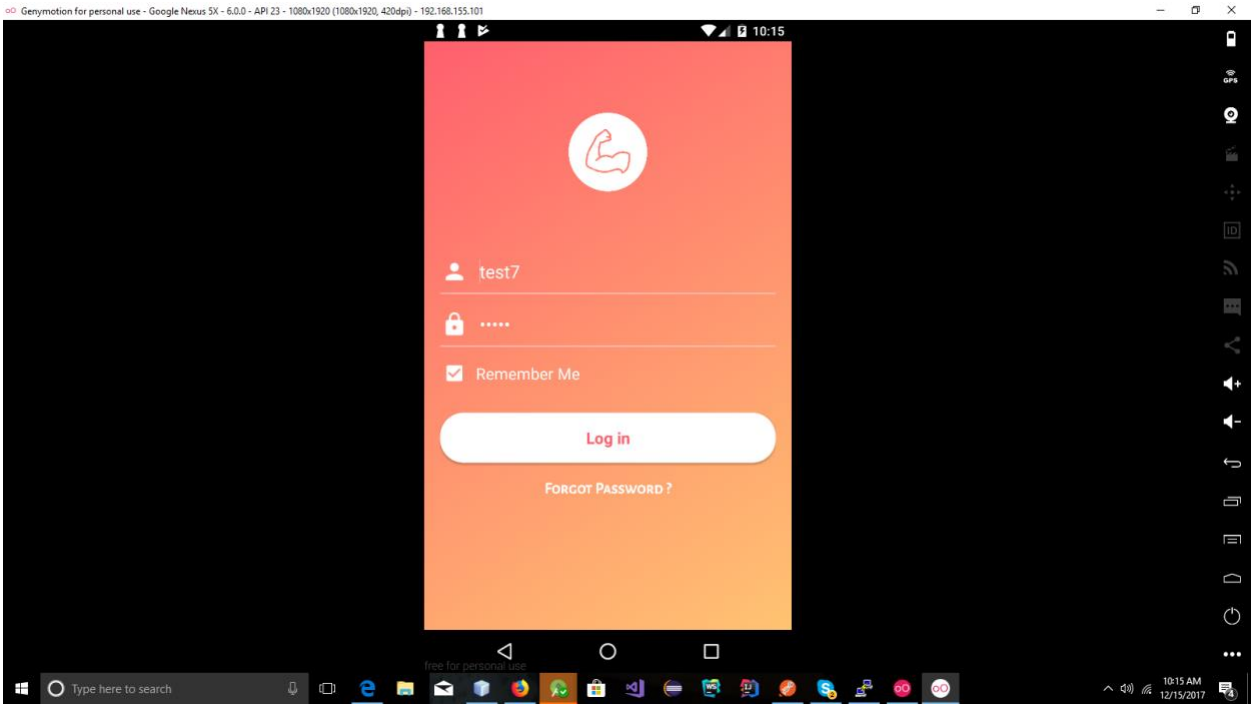
Android : https://youtu.be/HgCLQ-24Hek

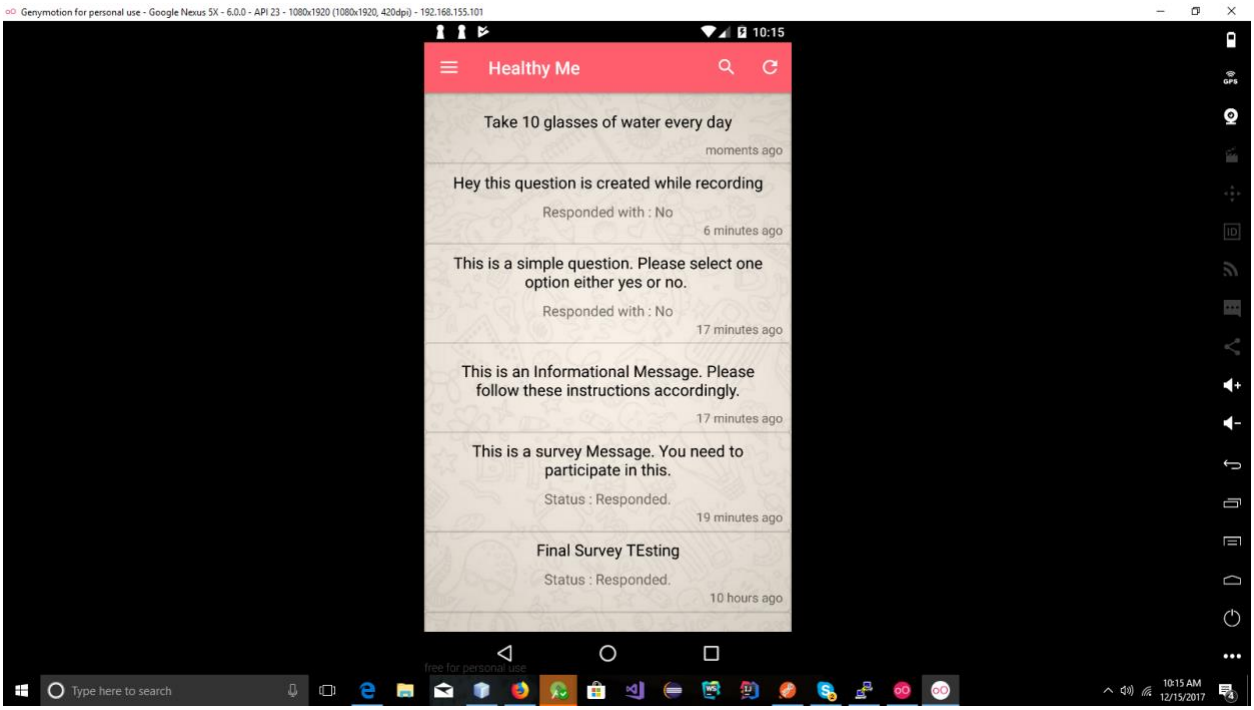
Web Portal : https://drive.google.com/open?id=1wPR_kXCxGfWEw-cNHGqsQFV7VKWvnths

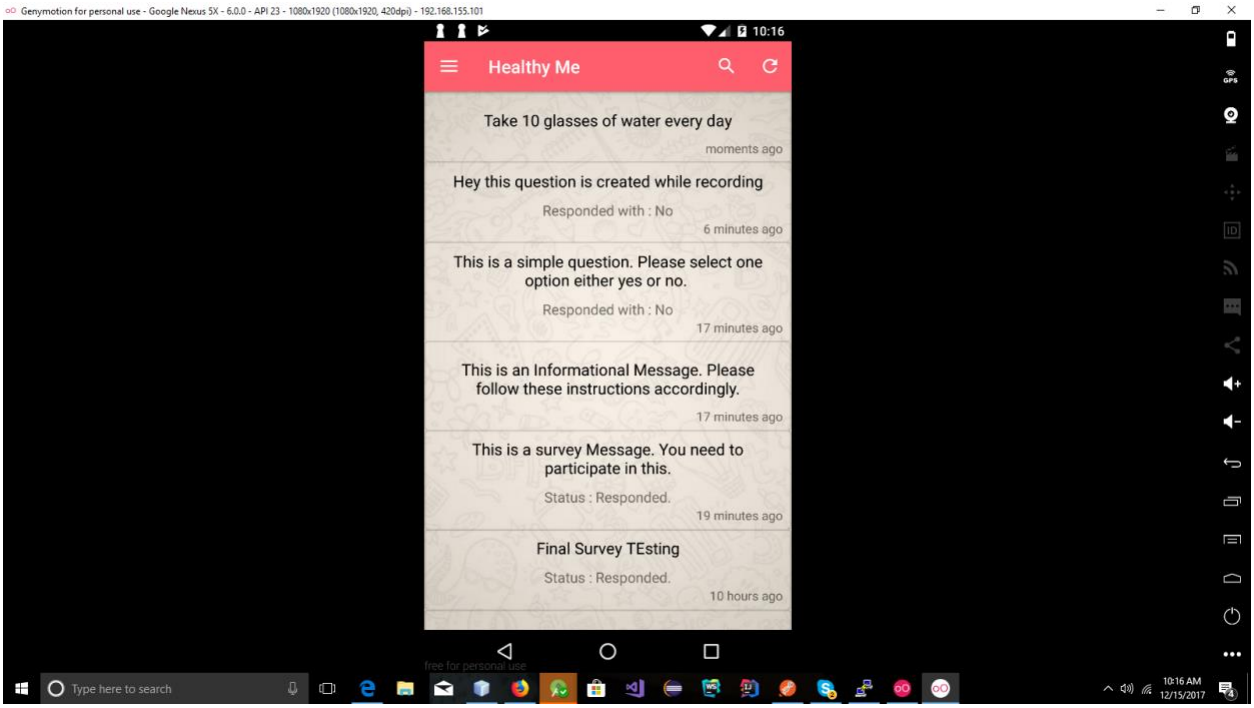
## Database Schema

**Users** : username, password, name
**Question** : messagetext, users[username], remind, surveymulti, surveyrange, questiontype, questionsubtype, ispublished, publishedtime, questionid
**QuestionResponses** : username, questionId, response
**SurveyResponses** : username, surveyid ,responses : [ {questionText, questionid, response}]
**DeviceTokens** : username, gcmtoken
**Survey** : survey, users:[username], quesionsassociated : [questionid], surveyid, ispublished, publishedtime

## Mobile Screenshots


Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:15
test7
Remember Me
Log in
FORGOT PASSWORD ?
free for personal use
Type here to search
10:15 AM
12/15/2017


Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:15
Healthy Me
Take 10 glasses of water every day
moments ago
Hey this question is created while recording
Responded with : No
6 minutes ago
This is a simple question. Please select one option either yes or no.
Responded with : No
17 minutes ago
This is an Informational Message. Please follow these instructions accordingly.
17 minutes ago
This is a survey Message. You need to participate in this.
Status : Responded.
19 minutes ago
Final Survey TEsting
Status : Responded.
10 hours ago
free for personal use
Type here to search
10:15 AM
12/15/2017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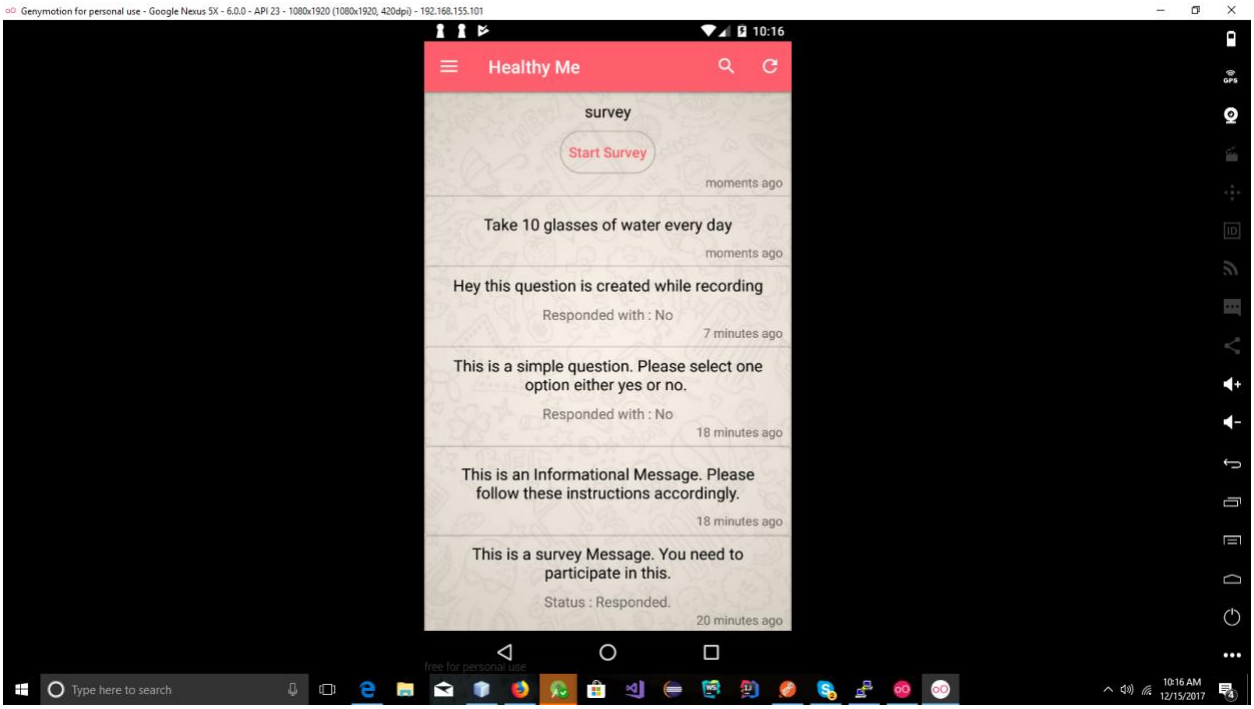
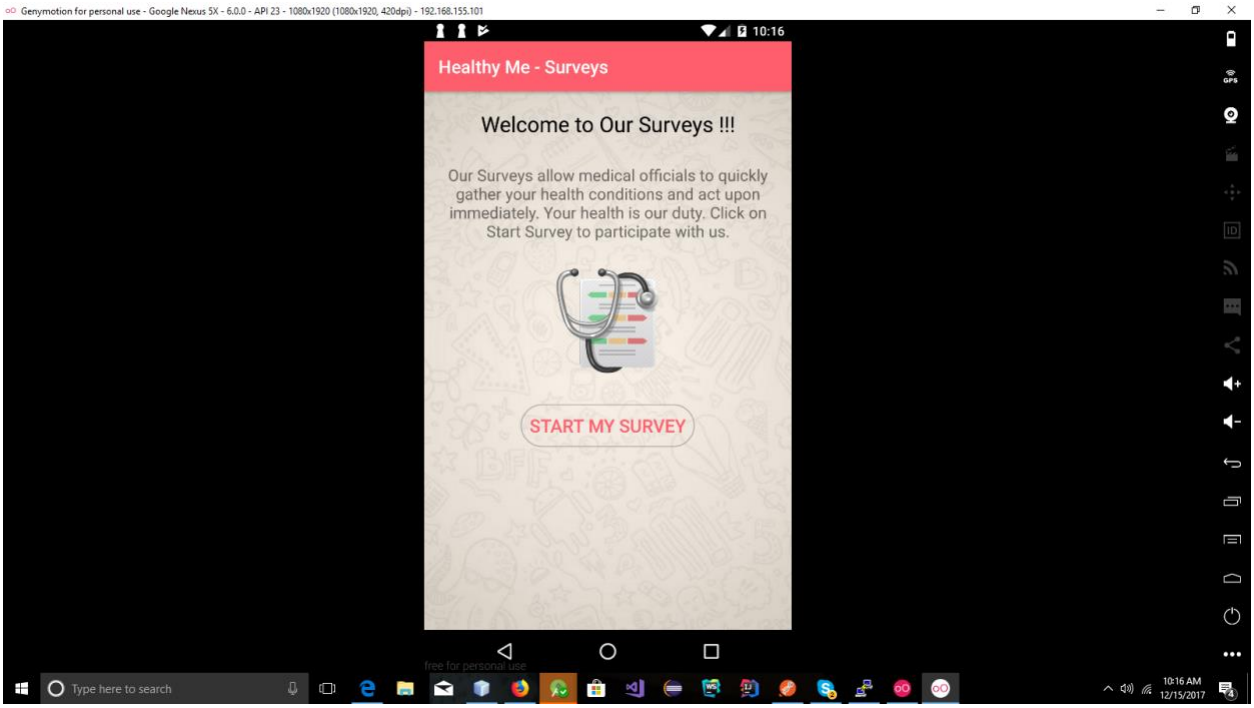
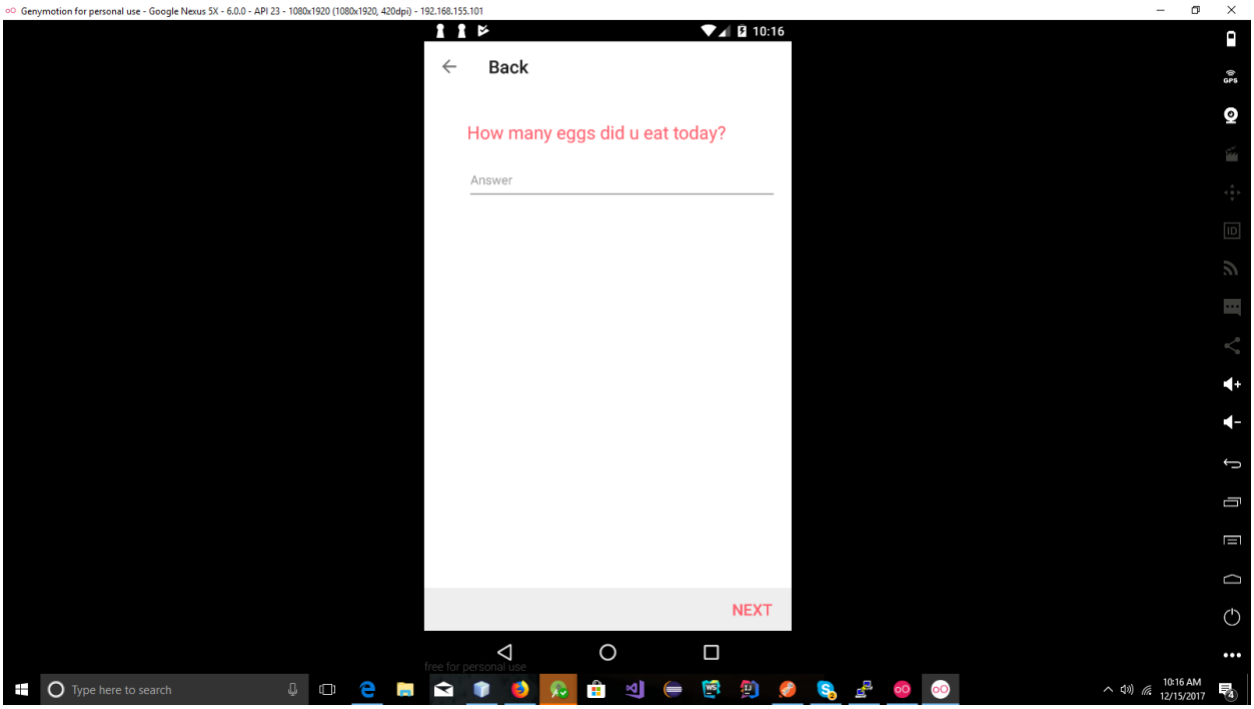
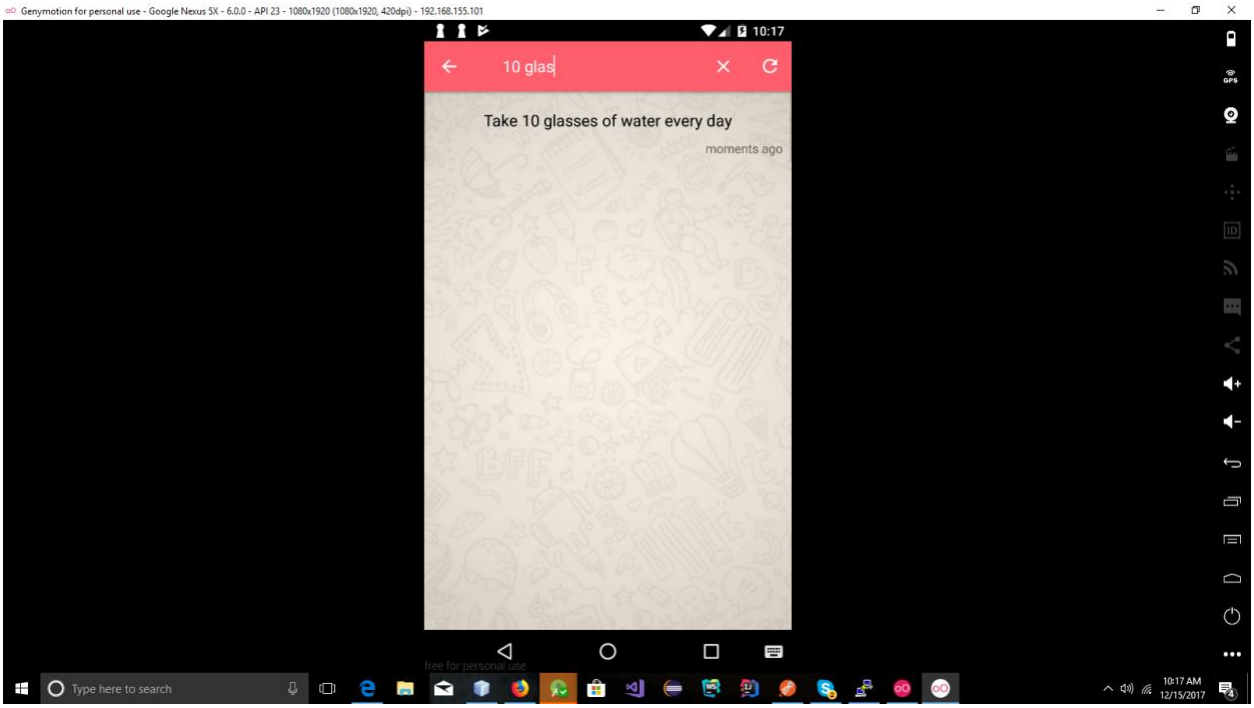
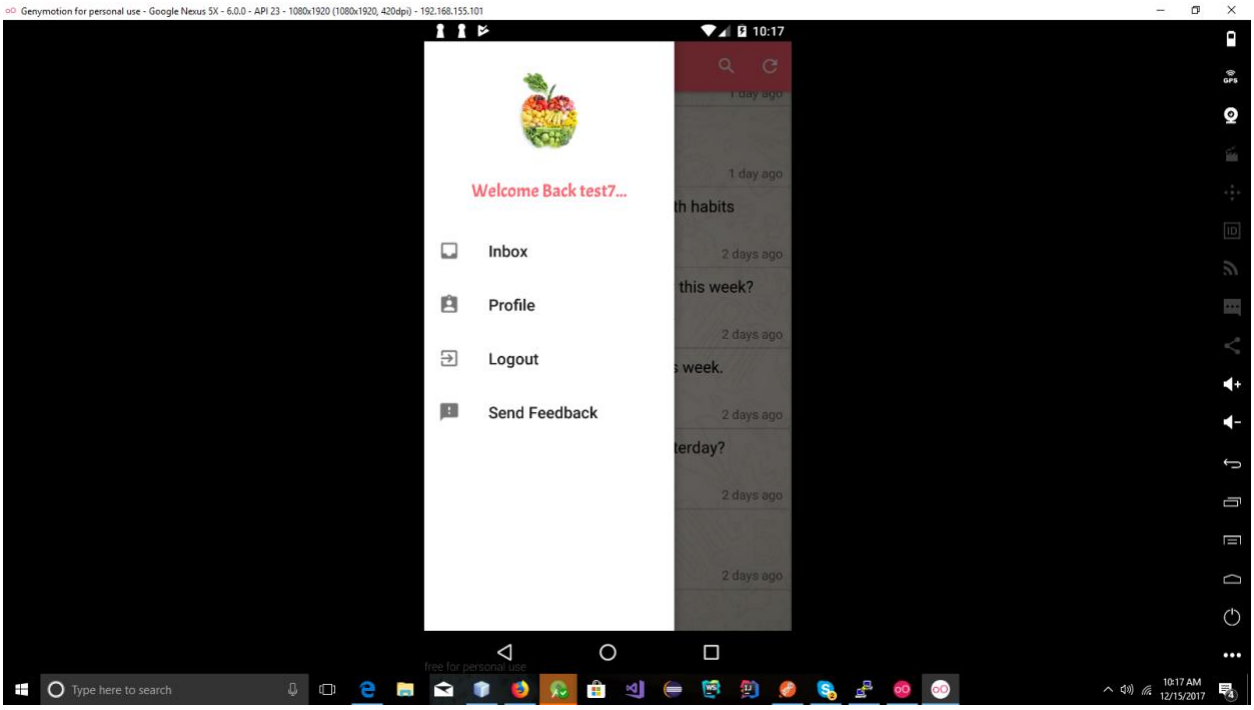
10:16
Healthy Me
Take 10 glasses of water every day
moments ago
Hey this question is created while recording
Responded with : No
6 minutes ago
This is a simple question. Please select one option either yes or no.
Responded with : No
17 minutes ago
This is an Informational Message. Please follow these instructions accordingly.
17 minutes ago
This is a survey Message. You need to participate in this.
Status : Responded.
19 minutes ago
Final Survey TEsting
Status : Responded.
10 hours ago
free for personal use
Type here to search
10:16 AM
12/15/2017

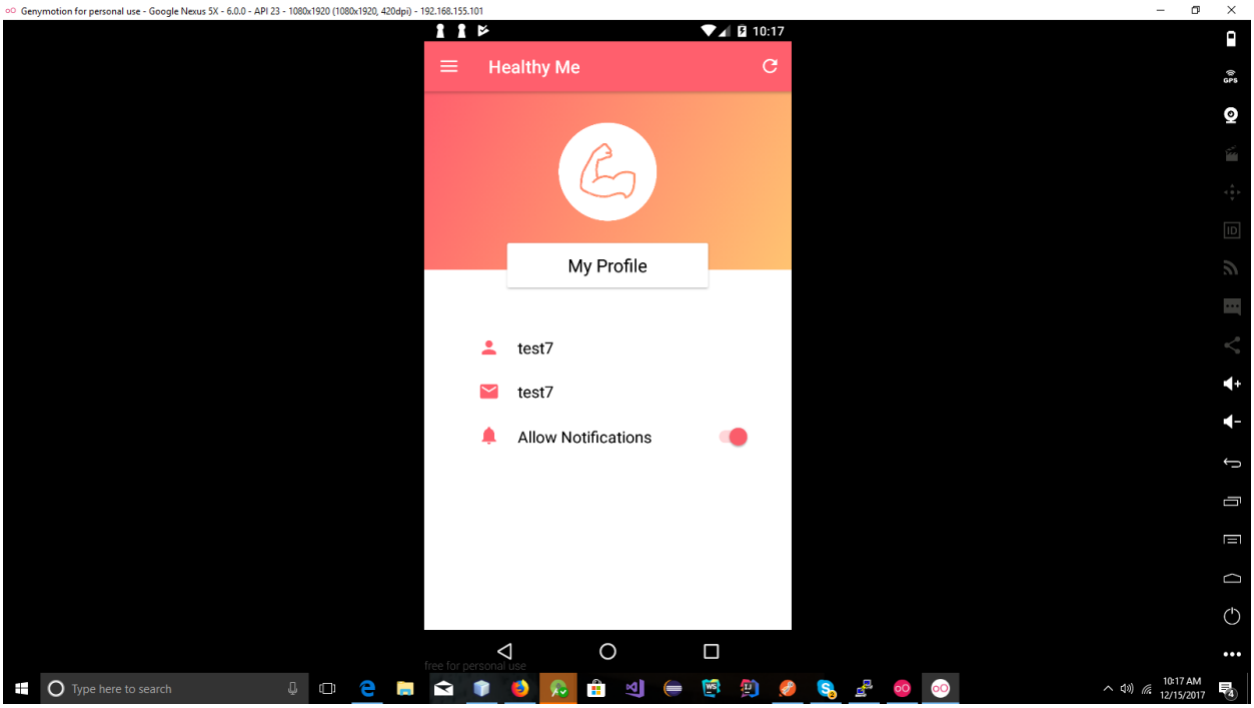

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:16
Healthy Me
survey
Start Survey
moments ago
Take 10 glasses of water every day
moments ago
Hey this question is created while recording
Responded with : No
7 minutes ago
This is a simple question. Please select one option either yes or no.
Responded with : No
18 minutes ago
This is an Informational Message. Please follow these instructions accordingly.
18 minutes ago
This is a survey Message. You need to participate in this.
Status : Responded.
20 minutes ago
free for personal use
Type here to search
10:16 AM
12/15/2017

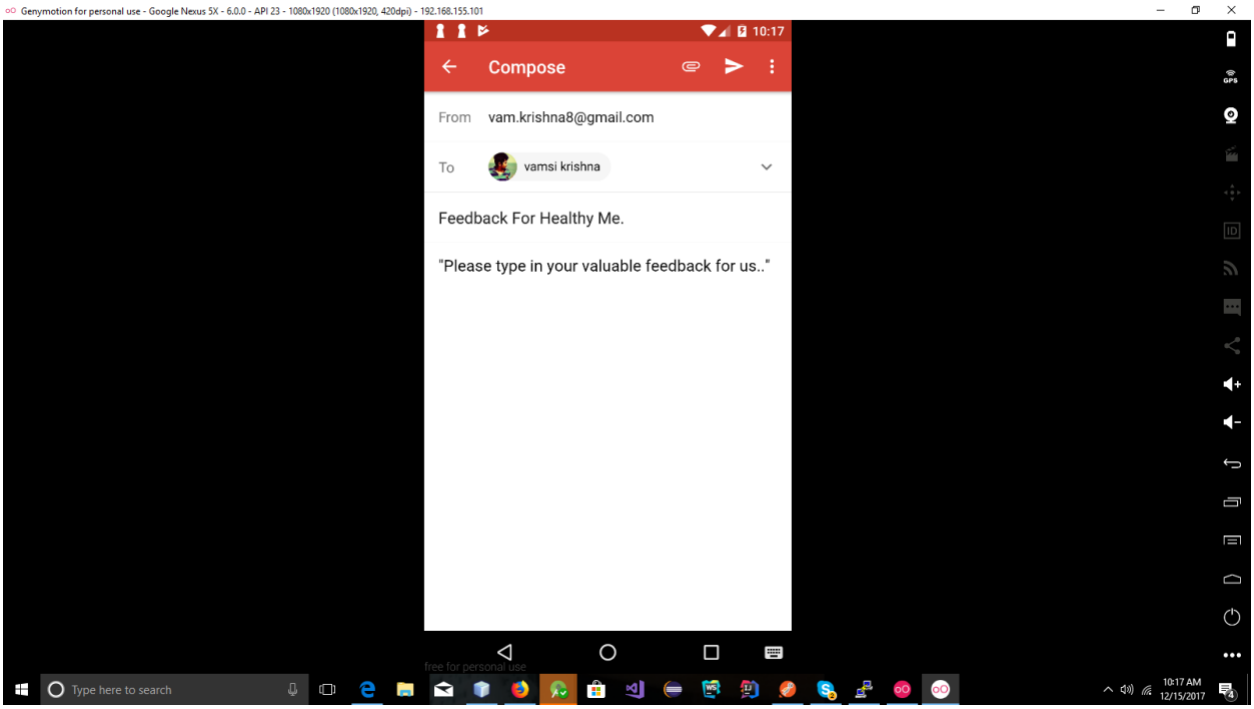

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:16
Healthy Me - Surveys
Welcome to Our Surveys !!!
Our Surveys allow medical officials to quickly gather your health conditions and act upon immediately. Your health is our duty. Click on Start Survey to participate with us.
START MY SURVEY
free for personal use
Type here to search
10:16 AM
12/15/2017


Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:16
Back
How many eggs did u eat today?
Answer
NEXT
free for personal use
Type here to search
10:16 AM
12/15/2017

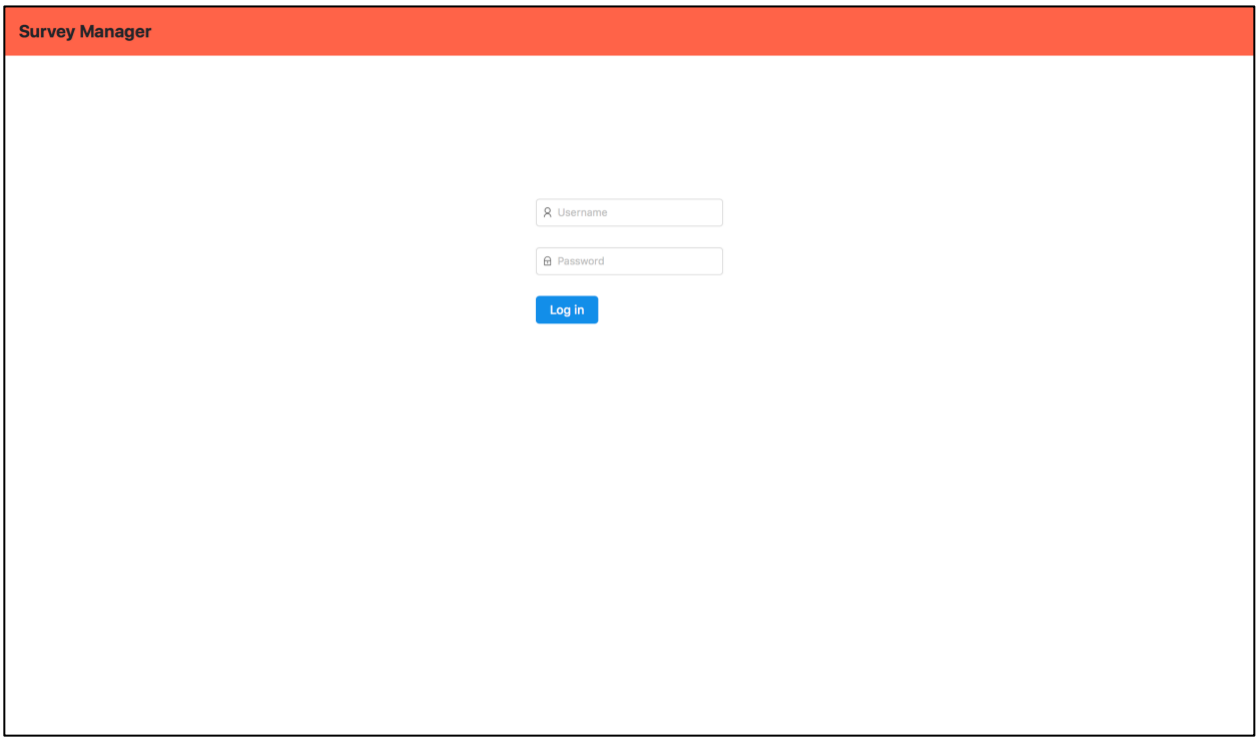

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:17
10 glas
Take 10 glasses of water every day
moments ago
free for personal use
Type here to search
10:17 AM
12/15/2017

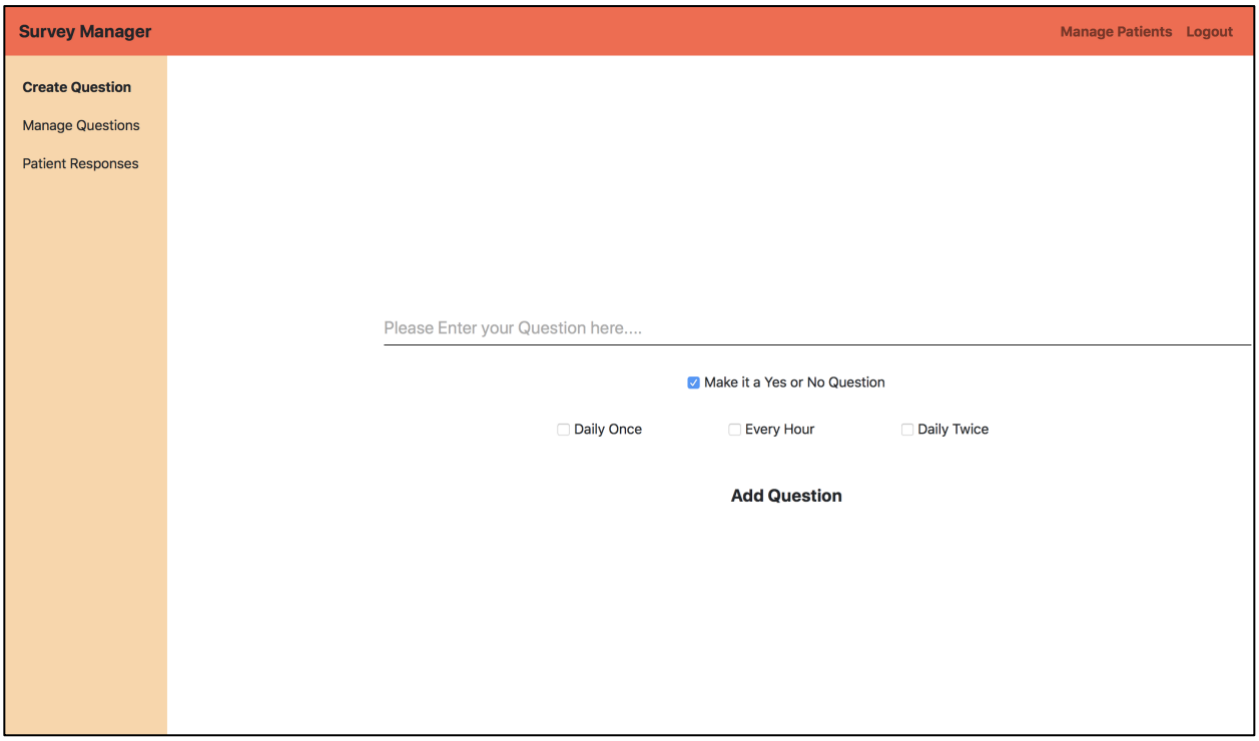

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:17
Welcome Back test7...
Inbox
Profile
Logout
Send Feedback
1 day ago
th habits
2 days ago
this week?
2 days ago
week.
2 days ago
terday?
2 days ago
2 days ago
free for personal use
Type here to search
10:17 AM
12/15/2017

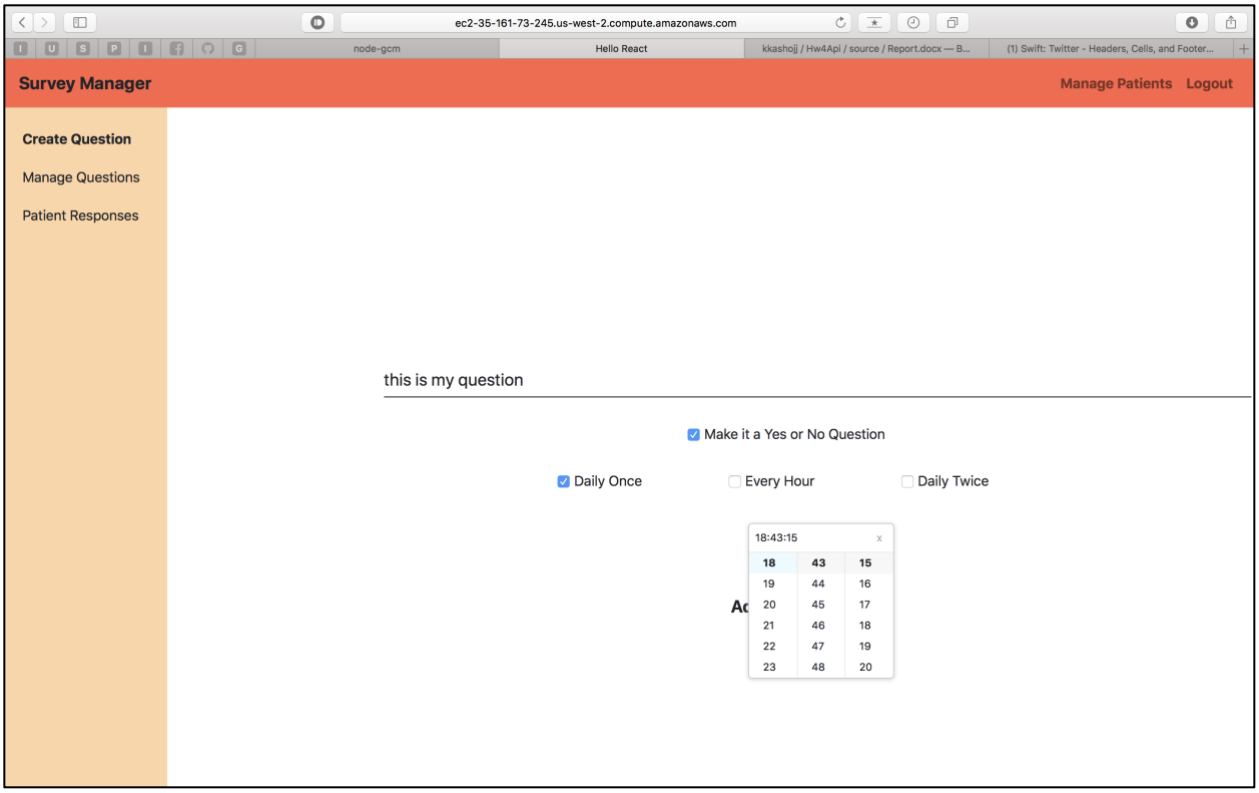

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:17
Healthy Me
My Profile
test7
test7
Allow Notifications
free for personal use
Type here to search
10:17 AM
12/15/2017

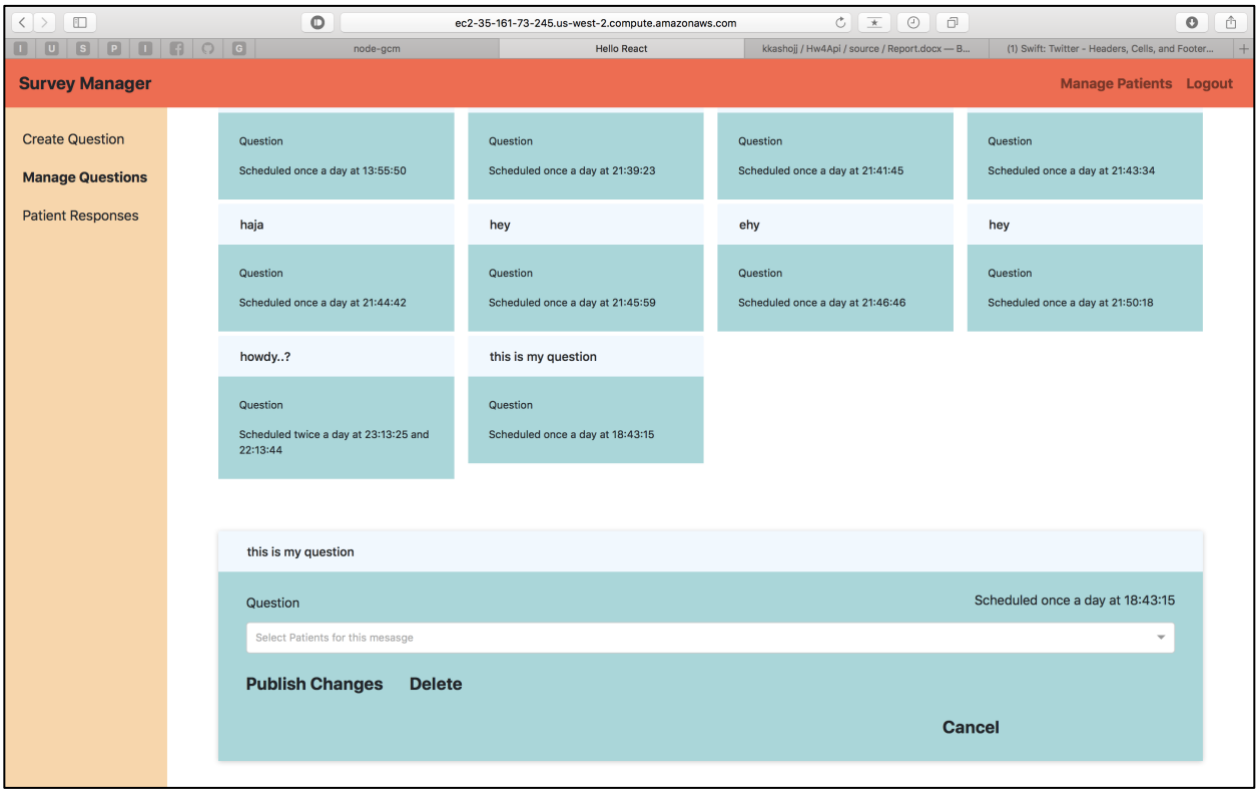

Genymotion for personal use - Google Nexus 5X - 6.0.0 - API 23 - 1080x1920 (1080x1920, 420dpi) - 192.168.155.101
10:17
Compose
From
vam.krishna8@gmail.com
To
vamsi krishna
Feedback For Healthy Me.
"Please type in your valuable feedback for us.."
free for personal use
Type here to search
10:17 AM
12/15/2017

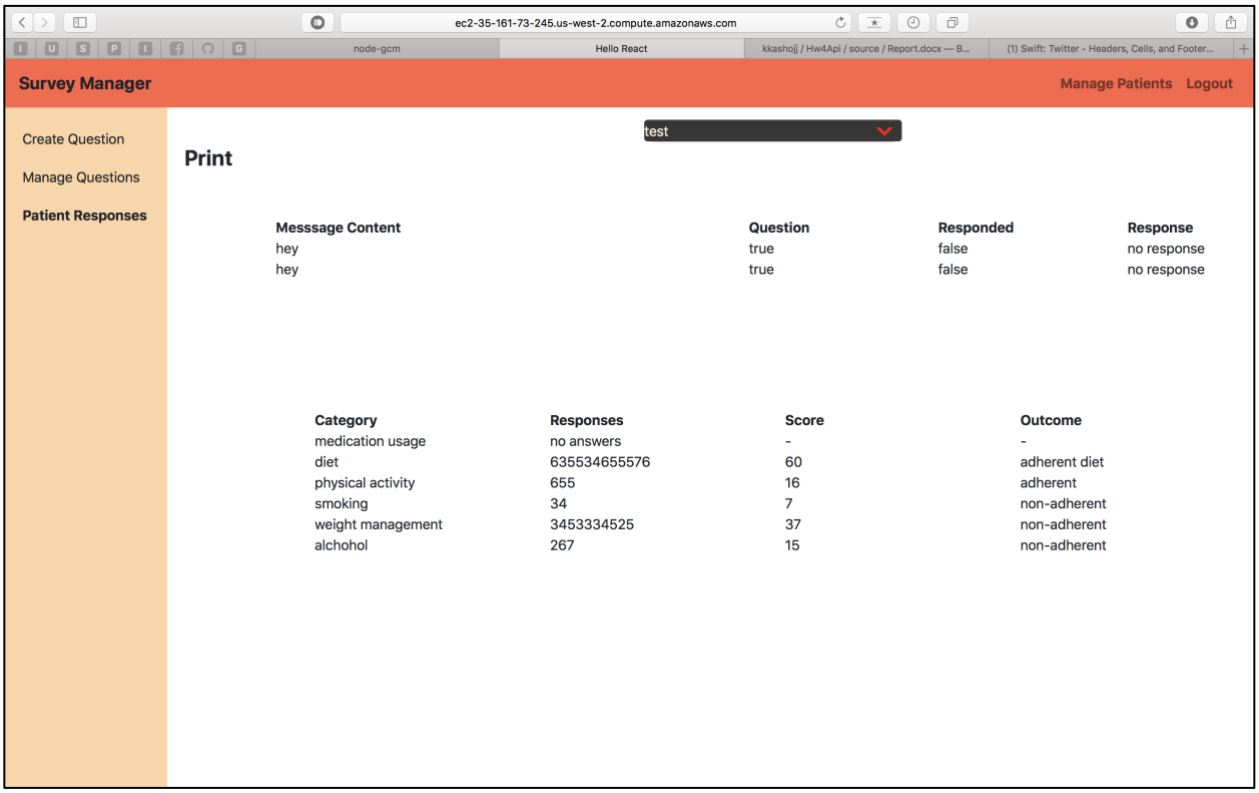
# Website Screenshots




ec2-35-161-73-245.us-west-2.compute.amazonaws.com
node-gcm
Hello React
kkashojj / Hw4Api / source / Report.docx — B...
(1) Swift: Twitter - Headers, Cells, and Footer...
Survey Manager
Manage Patients
Logout
Create Question
Manage Questions
Patient Responses
this is my question
Make it a Yes or No Question
Daily Once
Every Hour
Daily Twice
18:43:15
18 43 15
19 44 16
20 45 17
21 46 18
22 47 19
23 48 20


ec2-35-161-73-245.us-west-2.compute.amazonaws.com
node-gcm
Hello React
kkashojj / Hw4Api / source / Report.docx — B...
(1) Swift: Twitter - Headers, Cells, and Footer...
Survey Manager
Manage Patients
Logout
Create Question
Manage Questions
Patient Responses
Question
Scheduled once a day at 13:55:50
Question
Scheduled once a day at 21:39:23
Question
Scheduled once a day at 21:41:45
Question
Scheduled once a day at 21:43:34
haja
Question
Scheduled once a day at 21:44:42
hey
Question
Scheduled once a day at 21:45:59
ehy
Question
Scheduled once a day at 21:46:46
hey
Question
Scheduled once a day at 21:50:18
howdy..?
Question
Scheduled twice a day at 23:13:25 and 22:13:44
this is my question
Question
Scheduled once a day at 18:43:15
this is my question
Question
Scheduled once a day at 18:43:15
Select Patients for this mesasge
Publish Changes
Delete
Cancel


ec2-35-161-73-245.us-west-2.compute.amazonaws.com
node-gcm
Hello React
kkashojj / Hw4Api / source / Report.docx — B...
(1) Swift: Twitter - Headers, Cells, and Footer...
Survey Manager
Manage Patients
Logout
Create Question
Manage Questions
Patient Responses
test
Print
Messsage Content
Question
Responded
Response
hey
true
false
no response
hey
true
false
no response
Category
Responses
Score
Outcome
medication usage
no answers
-
-
diet
635534655576
60
adherent diet
physical activity
655
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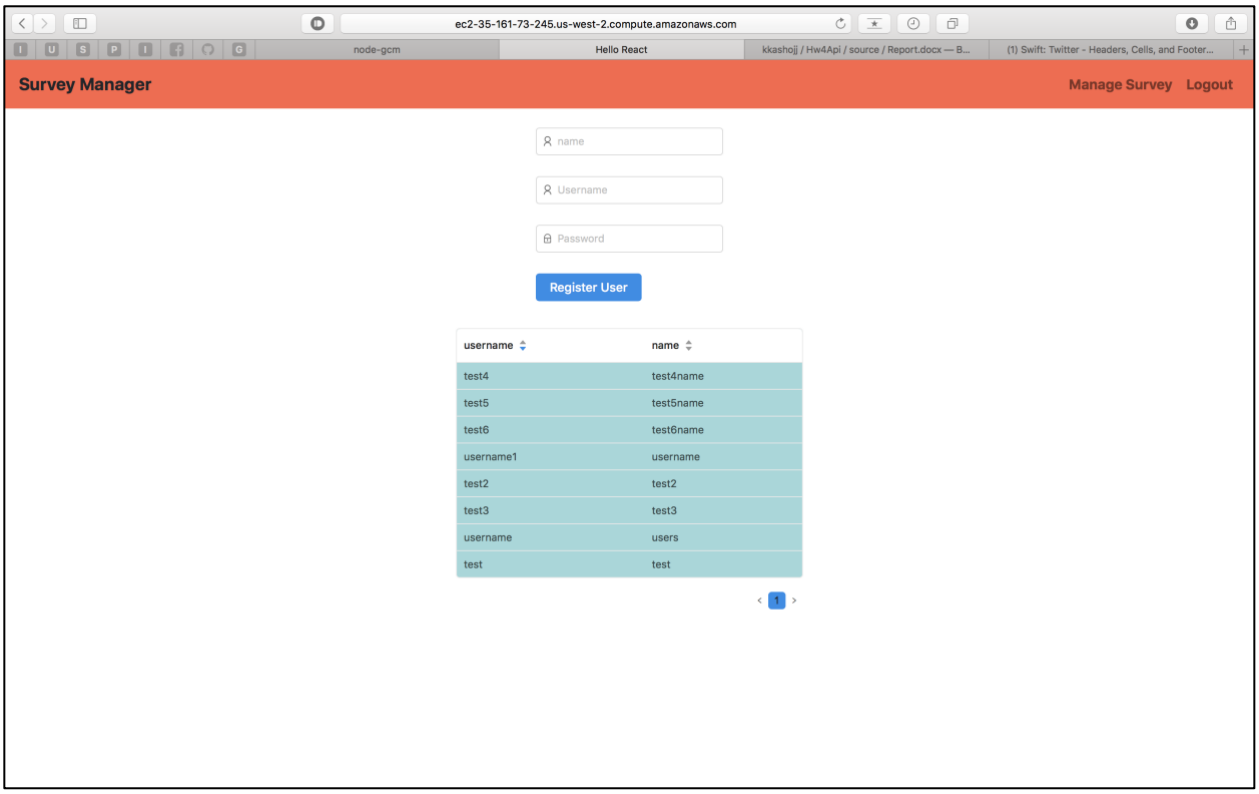
weight management
3453334525
37
non-adherent
alchohol
267
15
non-adherent


ec2-35-161-73-245.us-west-2.compute.amazonaws.com
node-gcm
Hello React
kkashojj / Hw4Api / source / Report.docx — B...
(1) Swift: Twitter - Headers, Cells, and Footer...
Survey Manager
Manage Survey
Logout
name
Username
Password
Register User
username
name
test4
test4name
test5
test5name
test6
test6name
username1
username
test2
test2
test3
test3
username
users
test
test