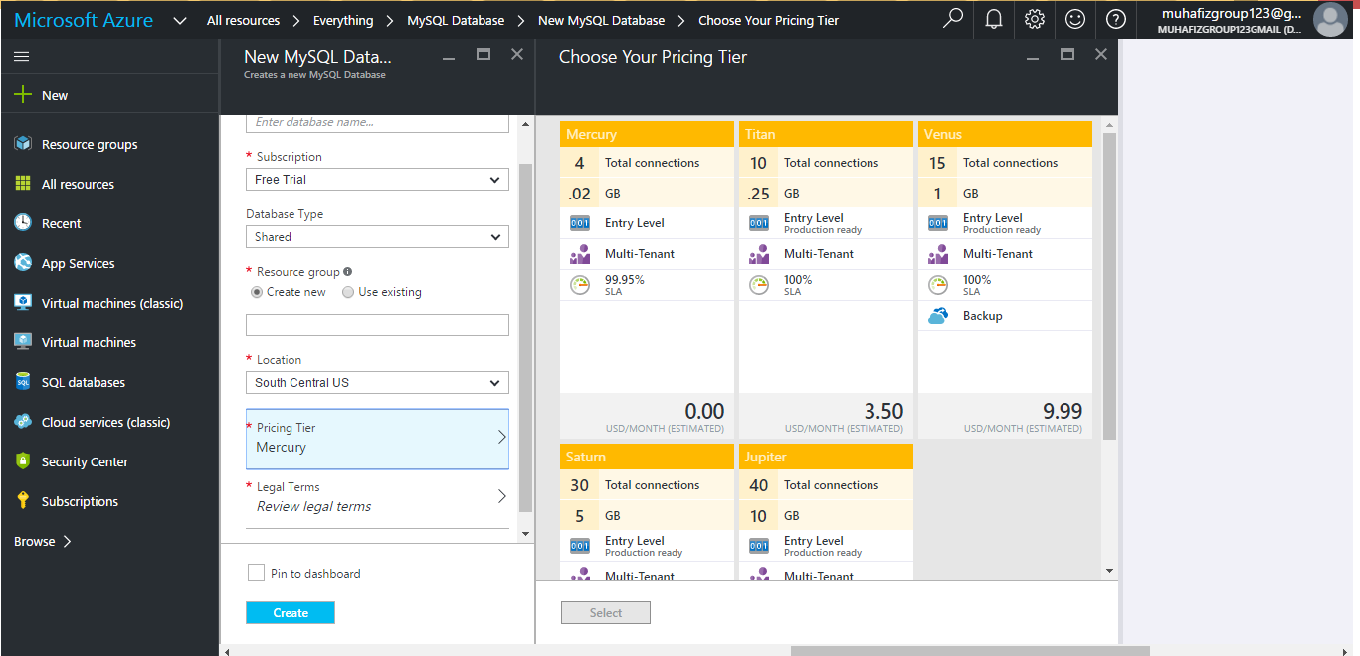
**Azure Deployment:**

We simply created an account on portal.azure.com with the following credentials

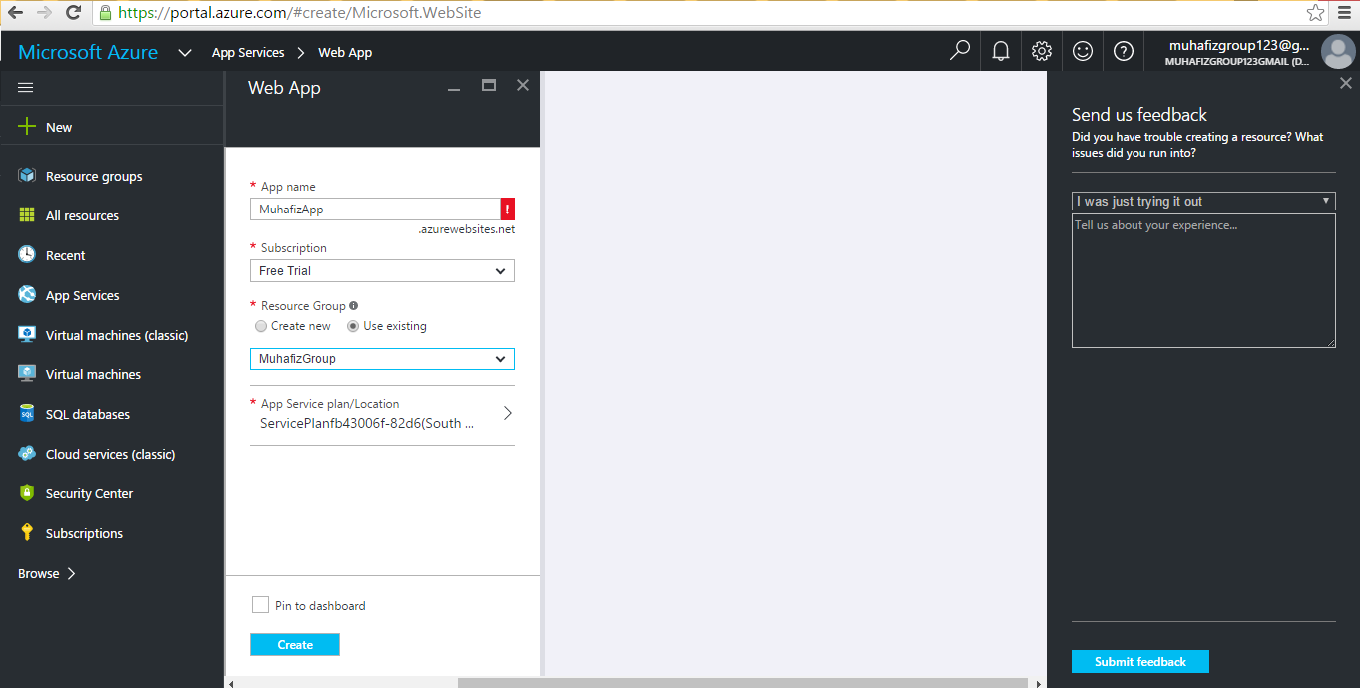
Username:muhafizgroup123@gmail.com

Password:muhafiz\_789

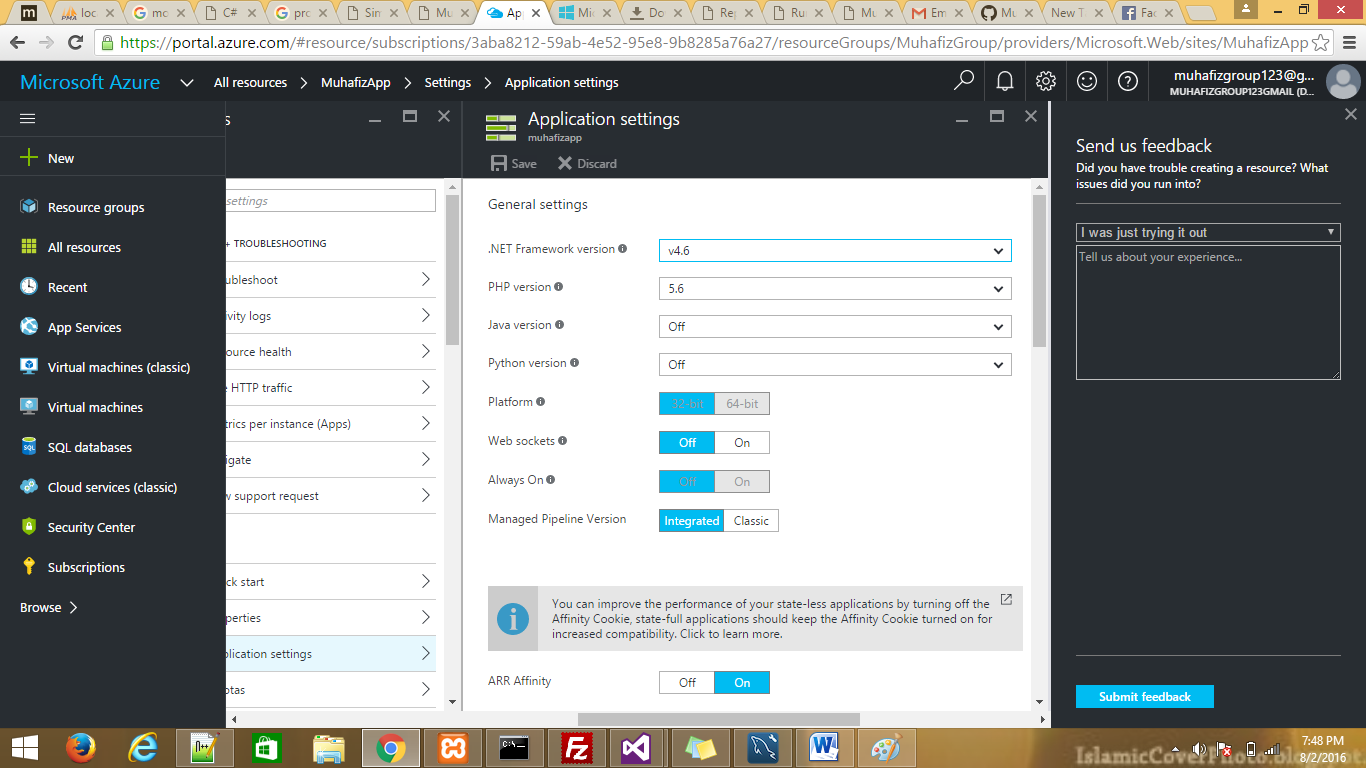
After login a dashboard appears, from the side menu of dashboard we selected resource groups then by clicking on add we added a new resource group giving it a name “muhafizgroup”.Then from the side menu we selected All resources click on add and selected MySQL database it created my sql database for in the resource group “muhafizgroup”. In the pricing tier of database we selected titan(it allows 10 connections at a time with database).



Then we selected App Services from the side menu , click on the add icon and give the name of the app like “MuhafizApp” and in the resource group select menu we selected MuhafizGroup which we created earlier.



Now we selected All resources from the side menu click on muhafizgroup then click on more and download the publish profilesettings file from it then we open the settings and in the application setting option we selected the php version 5.6 for adding the script folder for the mobile app to connect with database and then click on save .



Then we open visual studio connect it with azure with the help of credentials mentioned above. And published the project with the hosting api <http://muhafizapp.azurewebsites.net/>.

Now we added php script folder with the help of filezilla, these scripts actually act as a middle layer between the mobile app and database. In order to connect file zilla with azure we entered the following credentials

Host: ftps://waws-prod-sn1-045.ftp.azurewebsites.windows.net

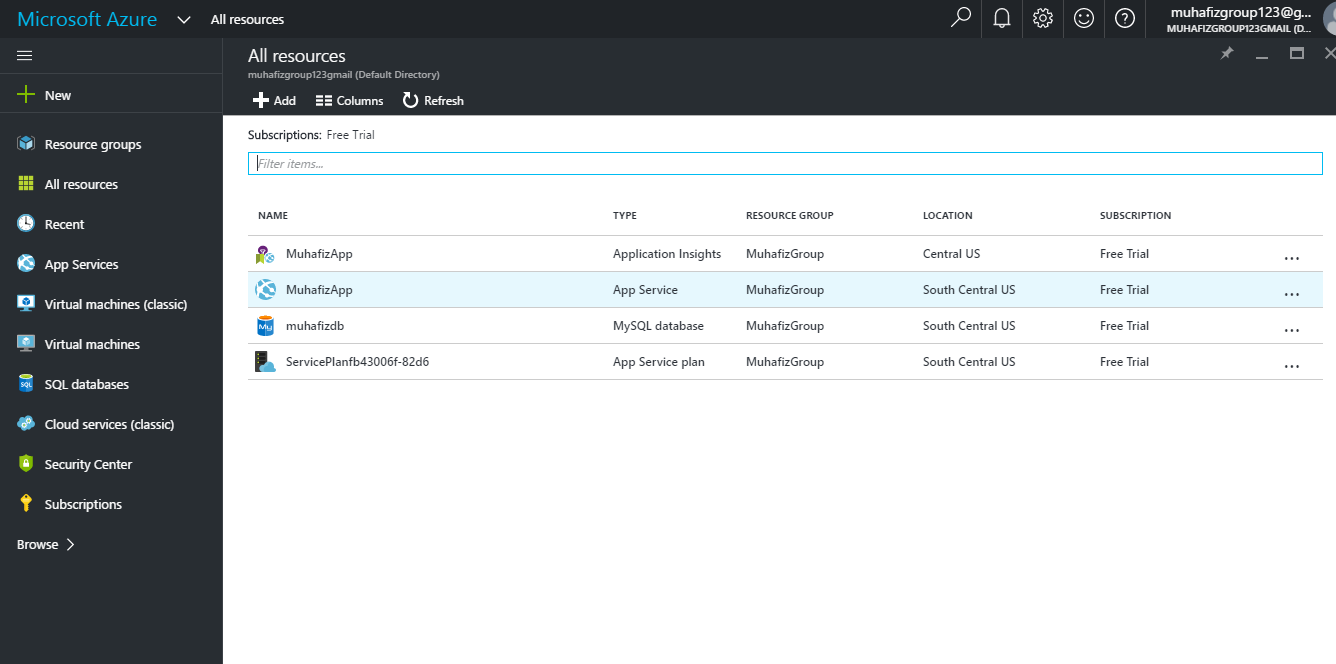
Username: MuhafizApp\$MuhafizApp

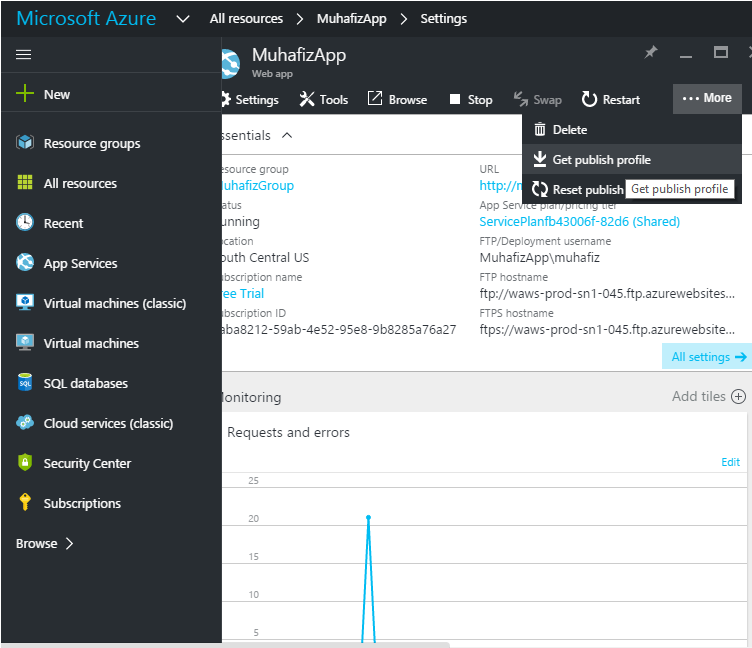
Password: v5K4f9cXQLleQ3HsRXLKruf1bRDx500HlieLlJ2woCRtH2M8wCyhsFDsjlXz.

(u can get these credentials from profilesettings file).

**How to get Publish Profile file from Azure?**

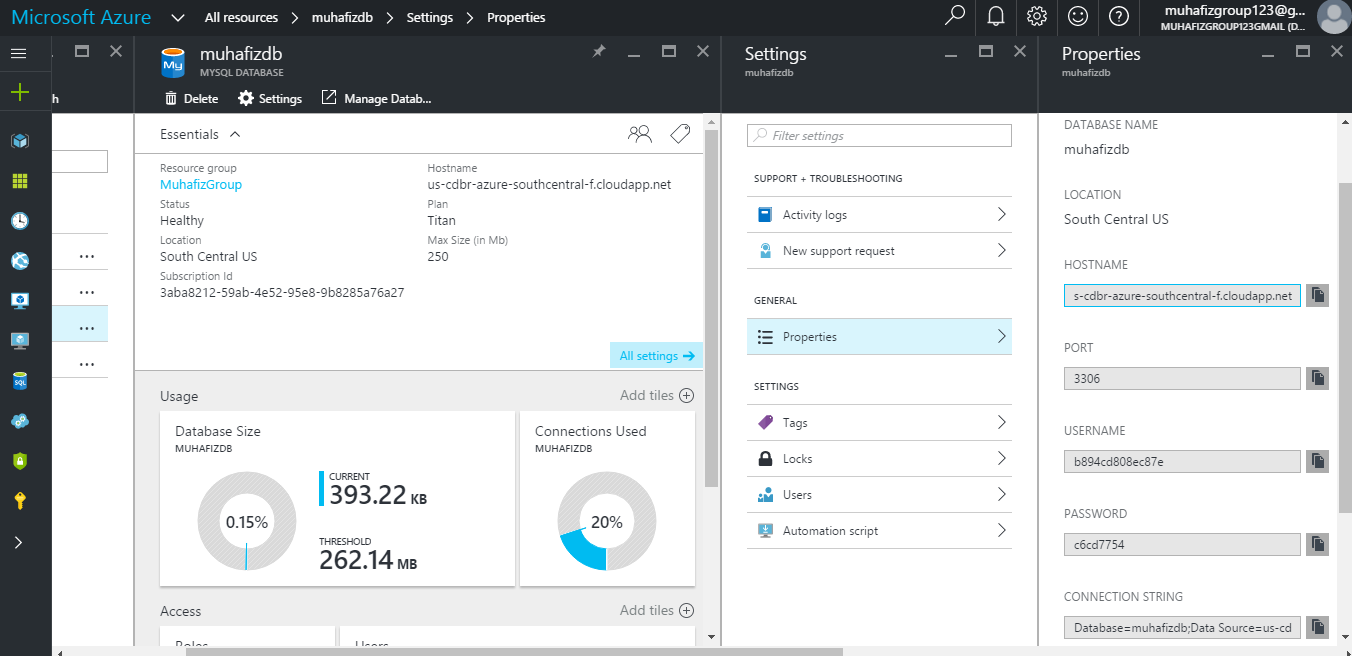
Simply select All resources from side menu of dashboard then click on MuhafizApp then simply click on more u will get a drop down list simply select get publish profile file this will download this file in your pc simply import this file while publishing your web portal on azure.





**How to Access Database of Azure?**

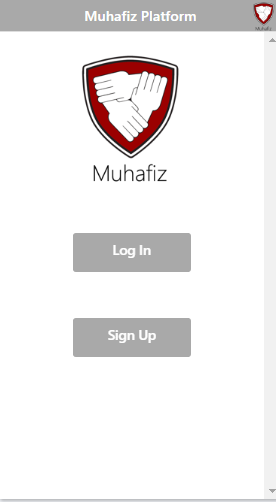
In order to access the database of azure simply install MySQL workbench 6.3CE. Now in the search bar of workbench simply write muhafizdb now it ask for credentials u can get this credentials from the properties of muhafizdb in azureportal.



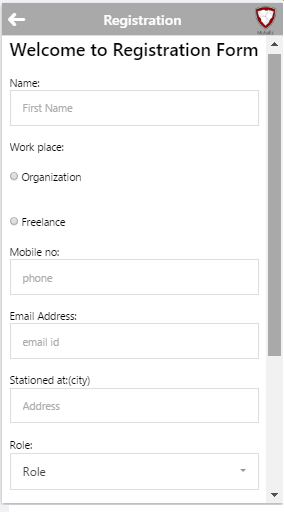
**Mobile Application:**

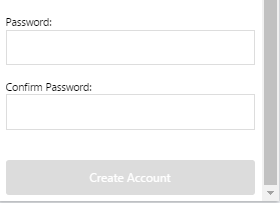
We have used ionic platform for mobile application, it uses angular js. For the interaction between mobile app and database we have written scripts in php version 5.6.2.we have total 6 screens in our application

1. **Welcome screen**



1. **Registration screen**

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****

**Explanation of registration fields:**

Name:

Workplace: (it include two radio button when the user clicks on organization a text box is generated to get the name of organization otherwise not

Mobile no: (validation check is applied on this field to enter the number in the format like 923016765123)

Email: (validation is applied to add a proper email address like abc @(gmail or yahoo or any another email account the user has).com

Stationed at: (user has to enter his city to which he belongs to)

Role: (contains a drop down list to select his/ her role one at a time)

Password :( validation is applied that the password must contains a lower case ,Upper case letter along with a number and one special character like @,$,%,\*,& and don’t use # in the password and a minimum length of 8 characters)

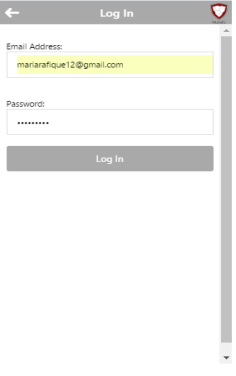
Confirm Password: (It should match with password mention in the text field password).

All the field of registration form are required to be filled otherwise the create account button will remain disabled. As soon as the user fills up all the fields the button will be enabled and he will get an email (that his request is pending and will approve by the admin).

All the entries of registration form are stored in the registered table in the database. There is a column name status in the registration table when the user fills up the form then at the type of data entry the value of this column is pending and when the admin approves the registration request the row is updated by changing the value of status column from pending to approved.

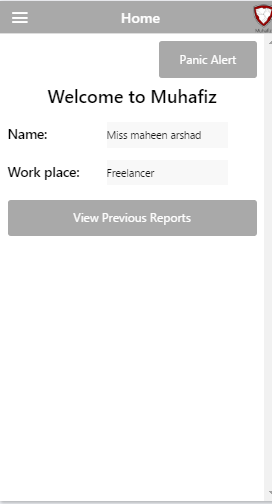
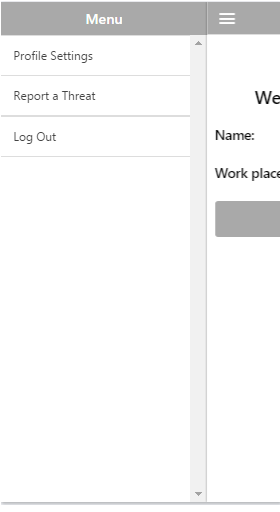
1. **Login screen**

When the user clicks on login a view appeared containing two text boxes email and password if the request of the user is approved and he enters the right credentials then he will be redirected to a User home.



1. **User home screen**

This screen contains a side menu, a panic alert and view previous report button.

** **

**Panic Alert Button:**

When the user tap on the panic alert button a message is being sent to admin. If the user has internet available then sms is being sent by using ufone sms service and if the user has no internet access then the message is being sent through his mobile no.Sms log is being saved in the database in the table name panic attack.

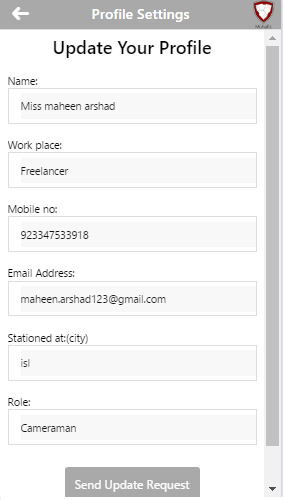
**Previous Reports:**

It displays all the previous reports once he reported (but these reports are the parent threat reports not child threat reports)

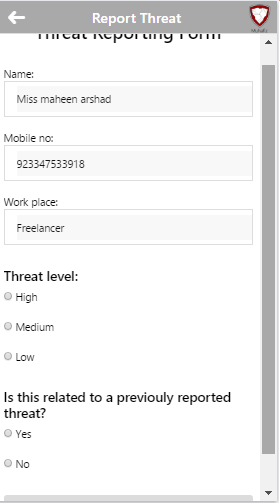
**Side Menu:**

It contains three buttons

**5 Profile Settings**: All the fields are read-only and if the user wants to update his profile he simply clicks on the send update request button. This request is being stored in profile settings table.



**6 Threat Report**: It contains some fields like name, mobile no and workplace that are read only and two radio buttons. This request is being stored in the threat notification table.



**Log out:** User is able to Logout and his session is being destroyed.

**Ionic Platform:**

While working in ionic our main concern is with www folder that contains further 5 folders

Js , templates, images, lib, css.

Js folder contains the following files

Controller , services, directive, constant and app.

In controller we define the controller behind each view e.g the definition of functions that are called behind different buttons. Each view has its own controller respectively.

Services.js:

In this we define ajax factory for sending the request to server, local storage for storing the session object.

Directive.js :

In this file we define a directive that is used for matching password and confirm password on client side when the user is filling the registration form.

Constants.js:

In this file we initialize the value of each label that is used in different views.

App.js:

All root level things and dependencies are defined in app.js file.

Template folder contains all the html files.

For further reference u can check this link.

<http://ionicframework.com/docs/concepts/structure.html>