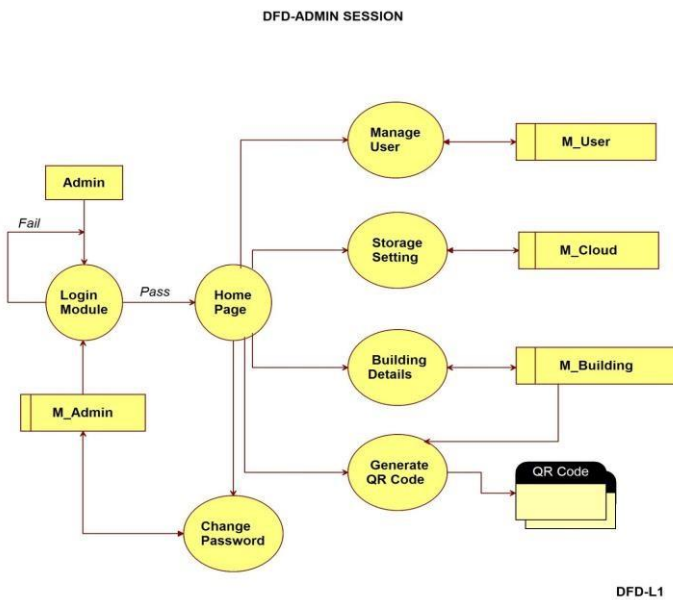






Figure 3 shows the data flow diagram of admin session.

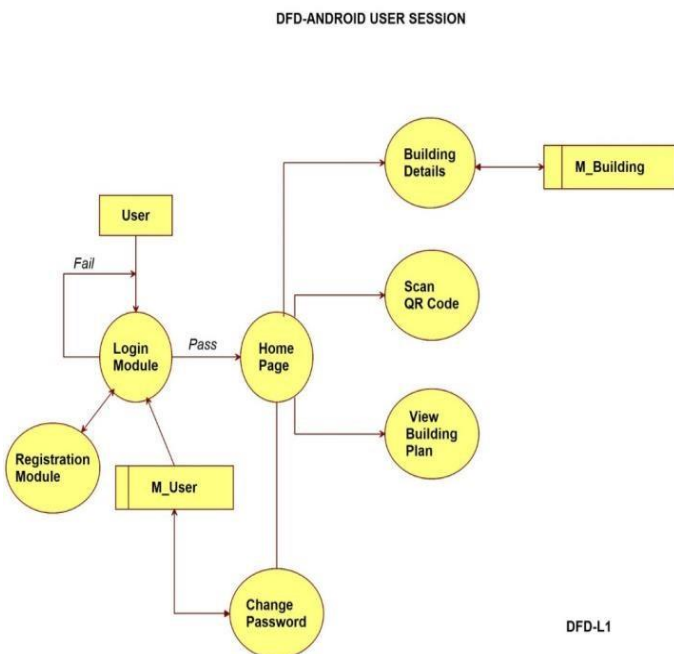


DFD-L1

Fig 3: Admin session

### ❖ ANDROID USER APPLICATION

This is an android application which can be installed in any android based mobile phone. Fig 4 shows the DFD of android user session.



DFD-L1

Fig 4: Android User Session

With the help of this application user can able to do following tasks:

- Users Registration
- Login
- View Profiles
- View Building Details
- Scan QR Code and download building images
- Change password

### V. RESULTS AND DISCUSSION

The results are described below:

Android user has to download QR navigation system application for android to their mobile and then have to register and get their user id and password. Admin will add all the new building details, upload the building navigation image and he can request the system to produce QR Code for uploaded images. Android user has QR scanner option in the application, if they want the building navigation image then they have to scan QR Code.

The admin login page is shown in fig 5.

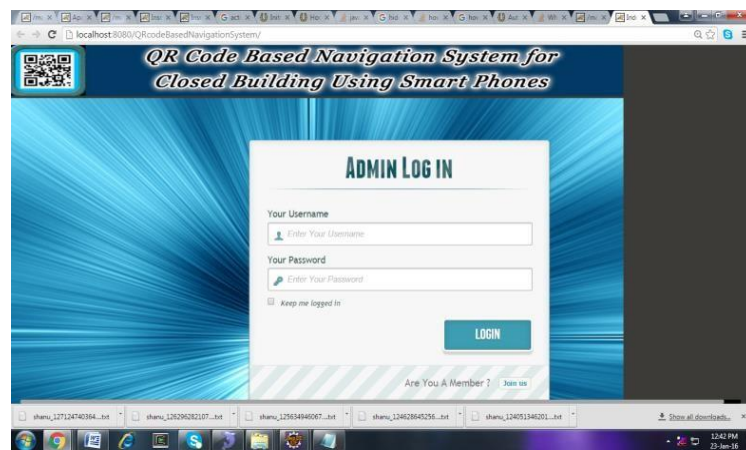


Fig 5: Admin login page

The admin home page is shown in fig 6 where he will add all the new building details, building navigation image and he can also change the password.

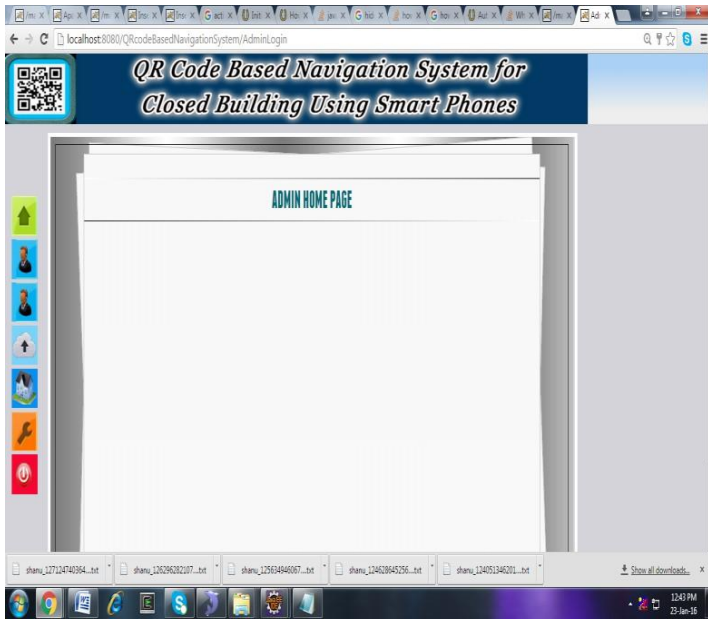


Fig 6: Admin home page

## VI. CONCLUSION

The conclusion is that this approach is cost effective for service provider. Users do not have to make any investments for indoor navigation. Complexity and time to implement is less. There is no additional configurations which the users have to maintain for indoor navigation. The main aim of this research is to give the exact location of covered areas.

## VII. ACKNOWLEDGEMENT

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