

Figure 4: Server side screen with prescription details

5.2 Patient Accessibility

The patient only needs to do the registration for the member of the “Health-Dr.” application. In registration procedure, the user is mandatory to fill small but required information on the fence of application screen. After completion of the registration form random key is generated for active user and this key is with user for life time until user want to update it. The key is validation for each user in the organization.

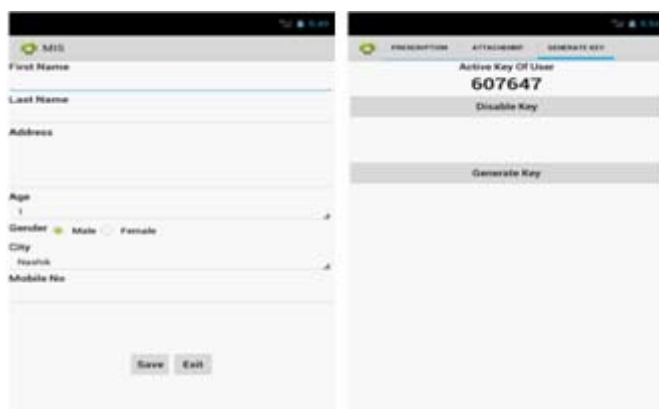


Figure 5: Patient registration task

5.3 Doctor Accessibility

Doctor information is already present in the database and with running application. By selecting his own identity present in the database doctor can allocate prescription schedule with respective patient and assign appointment alert. This list consists of the doctors which are registered and are authorized to use this application. This helps to minimize the chances of fake or unauthorized doctors to prescribe medicines through this application, hence providing a secure medium between doctor and patient.

5.4 Medical Prescription

This module consists of digital prescription which is generated by doctor when the respective patient is consulted by the doctor. The prescription is then simultaneously sent to the pharmacist where the patient can get the prescribed medicines. This helps the doctor and patient to keep the record of the medicines prescribed till date.

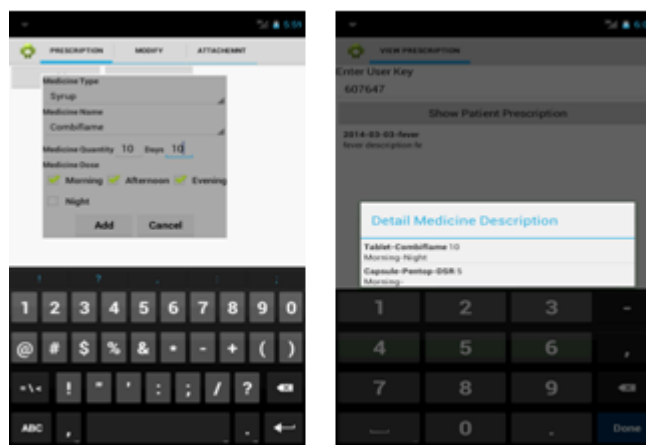


Figure 7: Prescription Mechanism

5.4 Alert Mechanism

This module is used as a reminder for the patient i.e reminder regarding the timings when the patient has to take his medicines, when the medicines are about to get over and when the next appointment is being scheduled.

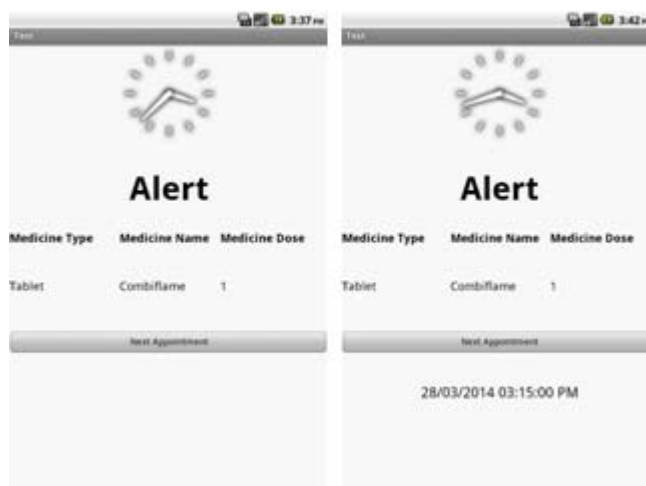


Figure 8: Alert Mechanism

6. Future Scope

Now days this application is available only on single platform i.e. Android, in future we'll try to cover the all available platforms such as Apple iOS, Windows phone, Sailfish OS, Blackberry, Firefox OS. With various upcoming technologies we will try to make it feasible over the cloud to fast data communication. As per new algorithm will have invented the version of this application will be appear and up to date on the next level.

On the beginning level, this application is paid one because of the maintenances and services. To make it world wide as per scope we will make it freeware. This application is made for local system i.e. for single organization; later on we will give the global exposure to the application with centralized management system.

7. Conclusion

By using this application, we are proposing a unique idea

which is suitable for doctors, patients, insurance agents and pharmacist. This application will provide vital connection between patient and doctor via pop up alerts using short messaging services channels and e-mails. Thus, it provides a user-friendly interface in critical situation at ubiquitous scenario with any condition.

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