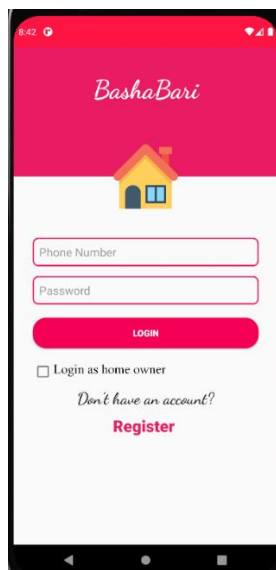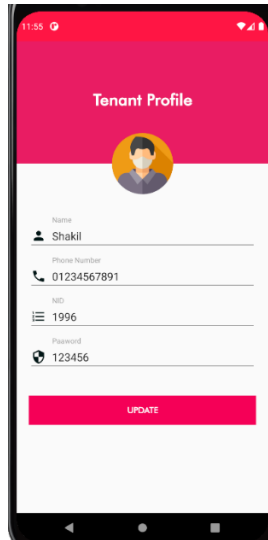# SYSTEM DESIGN (Tenants)

Tenants Design:

1. Tenants Registration & Login: Tenants can receive registration through their homeowner. Homeowner collects their personal information like name, flat no, NID number, phone number and register their tenants into our apps Bashabari. Then tenants can easily login in their accounts by using their phone number and password.
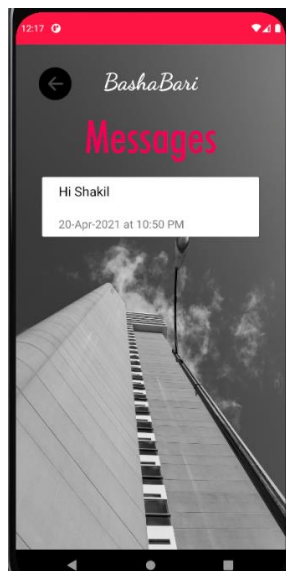

Figure: *Login Page*

2. Update Profile: Tenants can update their profile information easily. They can also change their passwords which is given by their owner for security purposes. Here, we add some edit text for changing their necessary things.
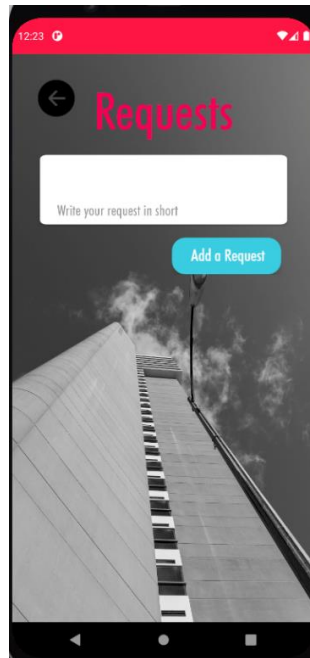
Figure: *Tenant Profile*

3. Messages: Tenants can receive personal message from their owner. If owner want to communicate with one tenant for any kind of reasons, they can easily message them. This message will be show on the tenant's message section. Here we use recycler view to view messages which comes from database and show it here. We add a message card view where we design our message box.
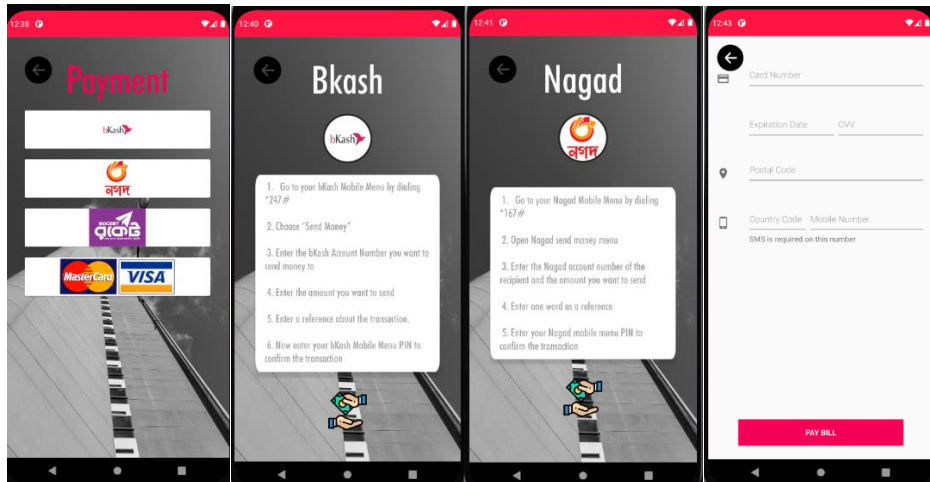

Figure: *Messages*

4. Requests: Tenants can request any kinds of problems, reasons to their owner by through our requests section. Here, we design an edit text box where tenants can easily type their requests. We add a button 'add a request'. By pressing this button tenants can send their requests to owner easily.
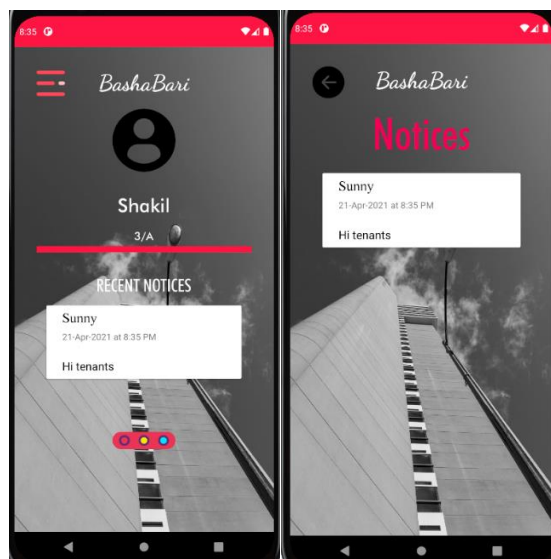

Figure: Requests

5. Payment: We add a payment method by which tenants can pay their bills, rent easily. We add four kinds of payment methods. Those are Bkash, Nagad, Rocket, Visa, and MasterCard. Now, they can manually send money to their owner. The procedure of manually send money is adding in the individual pages of the payment method system.
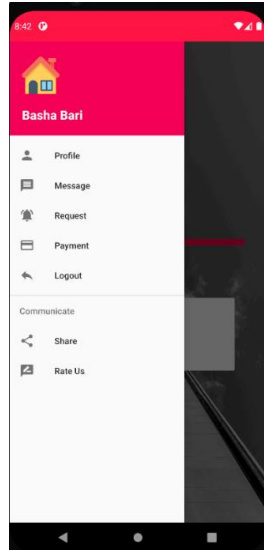
Figure: Payment

6. Notice Section: There is a recent notice section where notice from the owner will appear. There is also see more notice button where tenants can see all notices from the owner. On the home page, the tenant's name and flat address also appear. Here we use recycler view to view notices which come from the database and show it here. To see notices, we have to design and implement java and XML files like notice java and XML, notice Adapter, notice Info, and notice card view.

Figure: Notices

7. Log out: Tenants can easily log out from their account by pressing Log out which is in the menu bar. Then it returns on the login page.

Figure: Menu bar & Log Out