**Project Specification**

**Rental Management**

We will be creating an application on the android platform that will enable the landlords and the tenants to keep a track of their monthly bills and accommodate them by interacting in times of need. Our application mainly focuses on management. In order to do so, it will open fields for the landlords to alert the tenants while the tenants can also invoke any sort of actions that has to be taken by the landlord regarding the house. The application will provide a user friendly environment both in terms of the interface and user usability.

Our goal is to provide a user friendly application where the landlord and the

tenants will have equally important and interesting features to work on. We

are looking forward to create something that is easy to use and that does not

crash.

Our application is intended to be used by the Landlords and tenants in order

to resolve their reluctance while communicating with one another.

As students, our goal for now is to set up a working application that will be a demo of what is about come in the future. We feel that there is a broader aspect of this application. The need for a rental management application is definitely growing in a developing country like ours.

**Scope**

* Our application will help the landlords to clearly identify his/her tenants with access to all the information associated with the tenant.
* the landlords can keep track of the bills that are cleared and check on history.
* Landlords can Invoke alerts to the tenants if the bills aren’t cleared for a given month. He/she will have the access to send personal messages through this application.
* Tenants can also keep track of his/her payment history.
* Tenants will have the opportunity to make complains regarding household utility or others.

**Beneficiary**

In our region, there is large increasing of house renting business. For helping this business, our application makes it easier and portable for clients of this business. We choose three kinds of strategy for getting monetize-

1. Affiliate Programs- Our apps generate revenues via transection commission. We try to create affiliate programs that gives the company on every transection the clients would do that is done by usage of the app.
2. In app purchase – The application is initially free to download ,but we have an intention to add a payment scheme for advance features like eliminating pops up add, adding social networking system, adding more large messaging etc.
3. Advertising – We add most renowned monetizing system like pay per click model (ppcm) in affiliation with GOOGEL AdSense.

Tools and mechanism

We will try to make our application available for the most android devices existing in the markets. So we will use relevant API level(the latest realease of API 26) of android developing tools for more clients of the market. We will be using android studio. For Storing and syncing our data, we use Firebase Real time Database.

**The APPLICATION**

Home Page

This page would contain the links to Create Account, Login for the tenants and the landlords, about page and the settings.   
  
Create Account

There will two kinds of user. The landlord and the tenant. Users would have to provide with the following information:

Landlord:

* User name
* First Name
* Last Name
* Address (special fields will be created for specific floor details)
* Cell Phone Number
* Email Address
* Password
* No. of apartments
* No. of floors
* Monthly fare
* Utility bills

Tenant:

* Username
* First Name
* Last Name
* Father’s Name
* Address (special fields will be created for specific floor details)
* Cell Phone Number
* Email Address
* Password
* Rent bill

The details may vary over the course. Attachment option may get included for the tenant.

Login

Login section would require two fields to for both the types of users. And in order to login they would require to provide:

* Username
* Password

**landlord login:** He/She will come up with a page where the user can get access to any of the tenants registered in his building. Information regarding the tenant will pop up when any of those links are pressed upon. The landlord will be able to delete any existing tenants account. And an option to alert the tenant to clear any missing due will be provided.

**Tenant login:**  
In case of the tenants, they will find a complain box field along with his/her own information after logging in. Tenants will be provided option to clear payment through bkash or cash in hand.

The Management

In the management section there will be the account id, date of payment, and the amount paid. For the paid tenants a check will indicate whether any due is not cleared.

About

This page section would contain a small description about the company, and the products. There would be some statistics about the company and paragraphs about how they started and what their objective is.a. This might include what changes the company is bringing in the near future and so on.

Contact Us

This section would contain some useful contact links, such as email addresses of the managing bodies, or location to the stores and their contact information.