

Development of mobile application

by Aung Tun Lin

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DEVELOPMENT OF MOBILE APPLICATION

DEVELOPED IN ANDROID STUDIO



Aung Tun Lin

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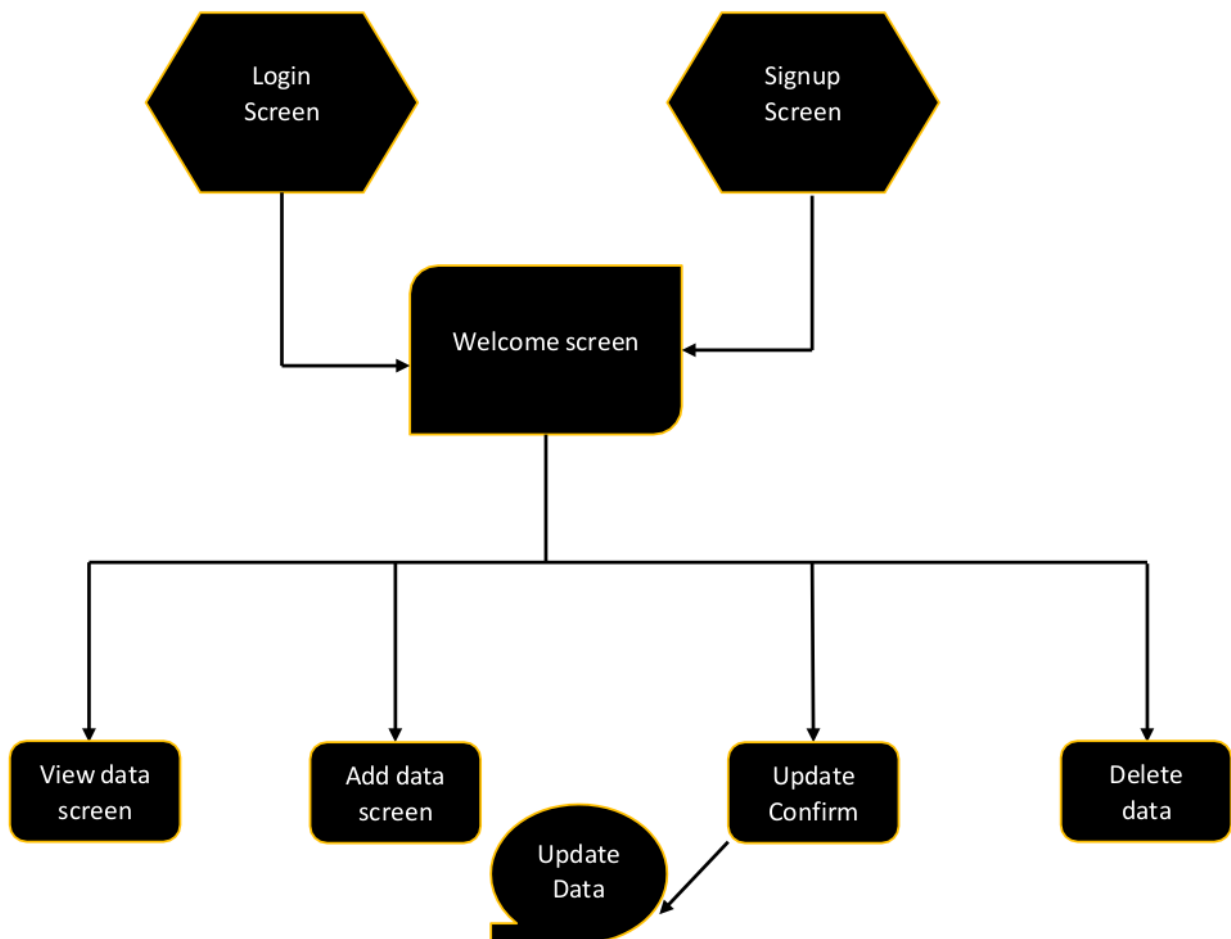
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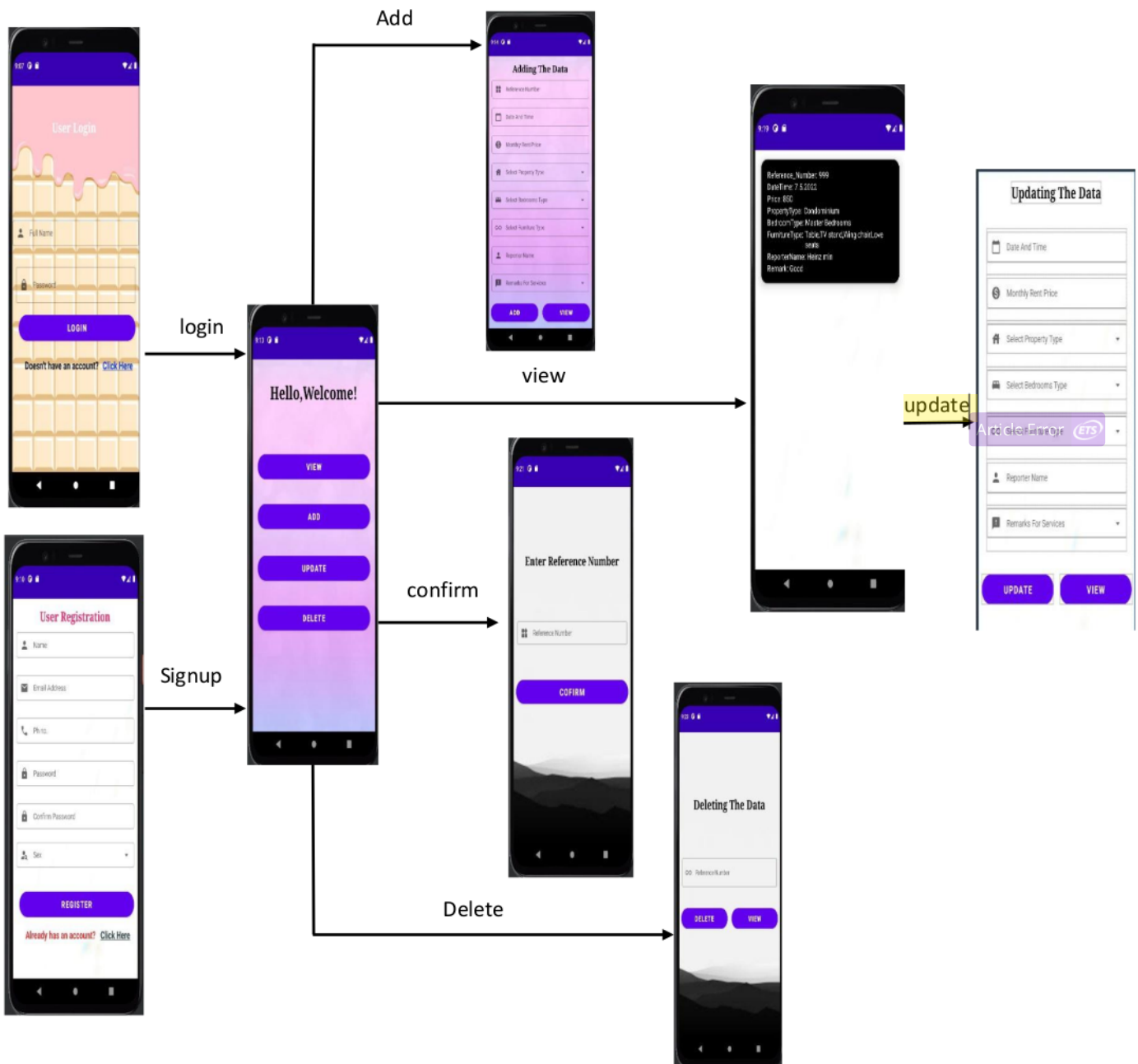
Task 1 Description of the RentalU application

Task1.1: The five features for the RentalU Mobile app using Android

- ❖ Login and Signup
- ❖ Add Data
- ❖ View Data
- ❖ Update Data
- ❖ Delete Data

Task1.2 Produce a Screen Map design to plan screens and their relationship





Task 2 Report

Task2.1 A Concise table containing a checklist of the features I have been able to design and development in Task 1.

Task2.1 Concise Table

Five Features	Implantations
Login and Signup	-Fully Developed App
View Data	-Fully Developed App
Add Data	-Fully Developed App
Update Data	-Fully Developed App
Delete Data	-Fully Developed App

Task2.2 A concise a list of any bugs/weakness in application:

-While consuming this application “The Material Components” i.e., for interactive building rocks for creating interface there was threat of changing the color of the icons or the buttons in the main layout extension file. As the user try to vary from “Material Components” to “App Compat activity” fortunately the color of the button changes but the style of the application collides.

-Another bug is With Open GL most commonly used GenY motion and then sleeping and resuming computer. Restarting the emulator and the opening the Device manger to select the specific device to run the application must be fixed.

-User setting must be implemented in the application whereas it must contain Logout options, create another account, Delete the account, User’s customization and many more were not implemented due to its lack of ability and experience.

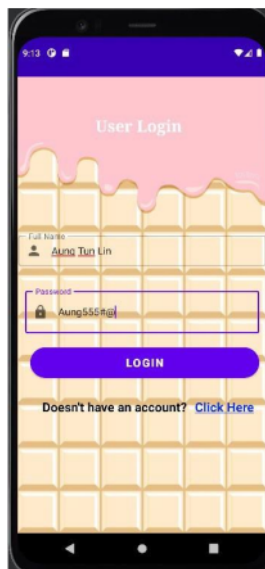
Task2.3 A brief description of any special strength of application:

As a portrayed above, there could comprises of shortcoming all the while strength part of the application. There is a special feature that user can check the collection of data, missing data and format data at the approval part of login and information exchange. The application is very worry about the client security as its sensible high security passwords

at the information exchange to shield from the confided in aggressor and word reference assailant. Another extraordinary part is the underlying code information getting to boundaries at the piece of data set question to forestall the SQL infusion assault structure clients. And also added some code functionality to examine the user's data it is currently sign up with same or other users that has exist in the system. Another most reliable and efficient features is that all the codes are based on the block level as if one of the code blocks has blunder it won't impact on other code blocks and the framework will go on until it complete.

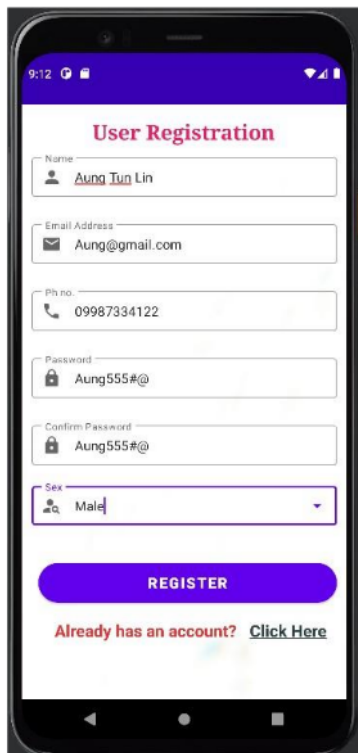
Task 2.4 Screenshots demonstrating each of the features that I have implemented

Login Screen



This is the main UI that each client must go thorough when they initiate the framework. The new client could tap the connection "click here" to enroll or make a record, however the client that as of now register or information exchange can login by embedding the right name at the "Complete Name" segment and the right passwords at the "passwords" section to get to the structure.

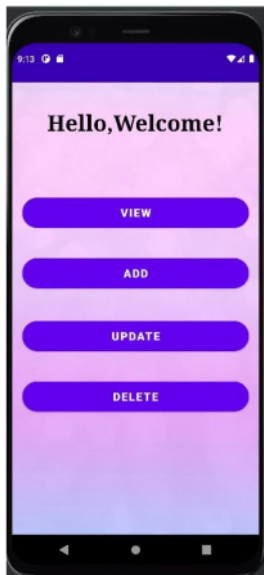
Signup Screen



The image shows a mobile application interface for user registration. The screen has a purple header with the title "User Registration" in white. Below the header, there are several input fields: "Name" (Aung Tun Lin), "Email Address" (Aung@gmail.com), "Ph no." (09987334122), "Password" (Aung555#@), "Confirm Password" (Aung555#@), and "Sex" (Male). A purple "REGISTER" button is located below the input fields. At the bottom, there is a link that says "Already has an account? Click Here".

The is the user's registration application form, every first-time client ought to fill the correct information in this enrollment to use the framework as displayed in the photo. After the user successfully **signup** user will automatically reach to another interface i.e., Welcome Screen.

Welcome Screen



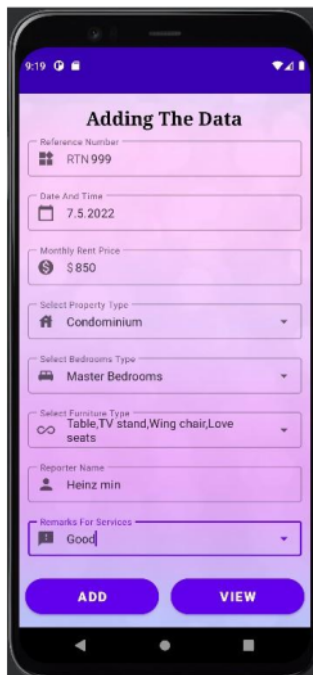
After the user complete login or sign up, the user will automatically reach to Welcome screen prescribing the View, Add, Update and Delete. By clicking any of those, the user will automatically go to other screen and play out the exceptional sort of activities.

Data view screen



At the point when the client clicks the "View button" in welcome screen it will likely reach to the conceivable screen where it will show the current information in the data set.

Data Add Screen



Adding The Data

Reference Number
RTN 999

Date And Time
7.5.2022

Monthly Rent Price
\$ 850

Select Property Type
Condominium

Select Bedrooms Type
Master Bedrooms

Select Furniture Type
Table,TV stand,Wing chair,Love seats

Reporter Name
Heinz min

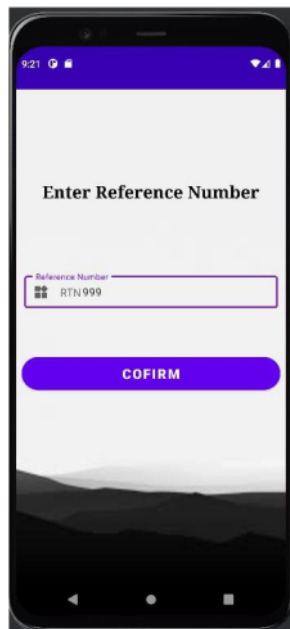
Remarks For Services
Good

ADD **VIEW**

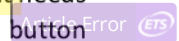
At the point when the client Click the "Add" button in the welcome screen where the client can add information as shown in the representation. After the filling right data information in the given structure, the client would add the information with the goal that the information can really occur. However, the utilization can likewise see screen by clicking "View" button.

Article Error

Update Confirm Screen

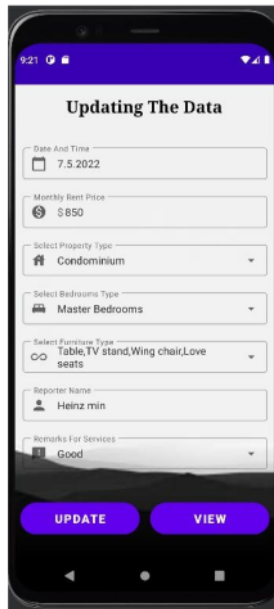


At the point when the client clicks "Update" button in the welcome screen it will reach to the screen where client needs to fill the reference number and the snap the confirm button to refresh the information in the dataset.



Update Data screen

Article Error (ETS)



Updating The Data

Date And Time
7.5.2022

Monthly Rent Price
\$850

Select Property Type
Condominium

Select Bedrooms Type
Master Bedrooms

Select Furniture Type
Table, TV stand, Wing chair, Love seats

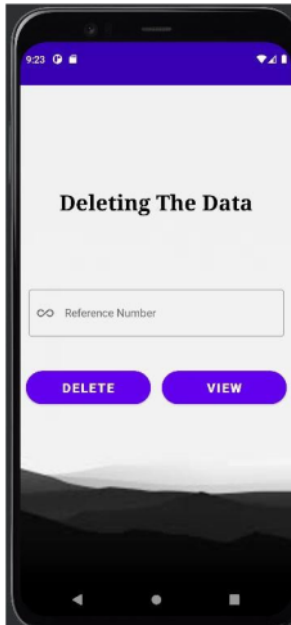
Reporter Name
Heinz min

Remarks For Services
Good

UPDATE **VIEW**

After Clicking the “confirm Button” in the update confirm screen, the user will directly reach to this data updating screen. The information that related with "reference number" will naturally fill when client reach to this screen and they simply have to roll out the improvements on this information. In the wake of changing their desired information, they should tap the "UPDATE" button to really happen the information refreshing. Additionally, they can go to the "View Data Screen" by tapping the "VIEW" button.

Delete Data Screen



This is the data deleting screen, when the user clicks “Delete Button” in the welcome screen it will automatically reach to this screen as displayed in the screen. The data can be automatically deleted if the user add the reference number and click the delete button as shown in the screen. The client can go to the "View Data Screen" to see the information by clicking view button.

Article Error (ETS)

Task2.5 Evaluation of the application

- **Human computer interaction:** The application interface is very efficient and easy to use for every user, as it requires to experience only one duration at a time when initiating the application. The application highlights are full with login, information exchange, viewdata, add information, update information and erase information requiring no advanced science for to get to those elements without related knowledge.
- **Security:** We can plainly believe the security of the application as it is truly solid at any conditions as a result of the underlying code since this application can oppose the secret phrase assault as well as the data set SQL infusion from the malicious clients. Another, kind of security feature is to protect the brute force password cracking whereas if users try to crack the password at least five or six time and there is no matching to data, then the system will show invalid credentials and request you to sign up for the system. This type security highlight is execution of some primary code in the application. Because of its solid underlying code, the framework crashed time is extremely limited.
- **Maintainability:** On the off chance that any issue happens at a specific area of code, there client won't encounter consequences for different pieces of construction code. The user can easily add different kind of modules code into the existing modular code because of the modular approach that use at developing state.
- **Changes that would need to be made in order for the app(s) to be deployed for live use** This application require some sort of framework changes or extra executions to be better towards client's standard application. The application requires setting for the users like to change the username and the passwords. The logout functionality is also required for the users as if technical problems or specialized issues occurs in the application. Another prerequisite is to addition of search bar to get to the information that is put away in database, so assuming the client store plentiful information it will cause hazardous to the client to track down the significant information in the application. What's more, by that sort of usefulness ,clients will accomplish better information with the application.

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