Lappeenrannan teknillinen yliopisto

School of software engineering

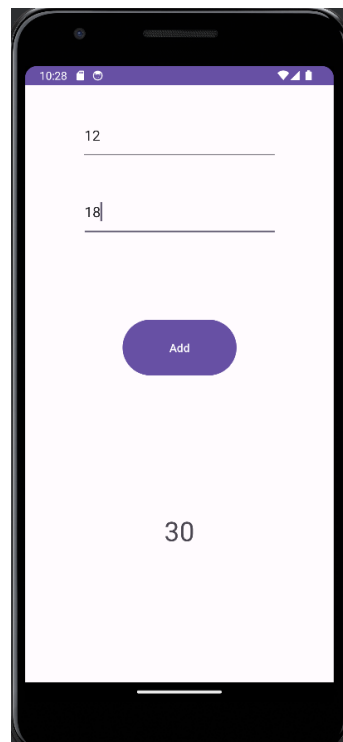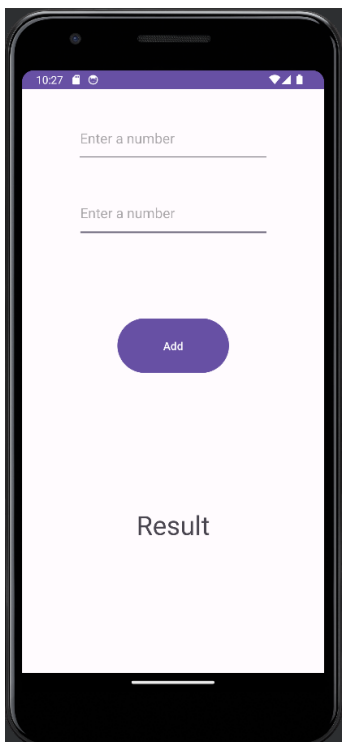Software Development Skills

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LEARNING DIARY, Introduction MODULE

Date : 9/10/2023
Activity : Video lecture of Android Studio For Beginners

Learning outcome: Today I downloaded android studio, I have configured it and I started to do the project of the video.
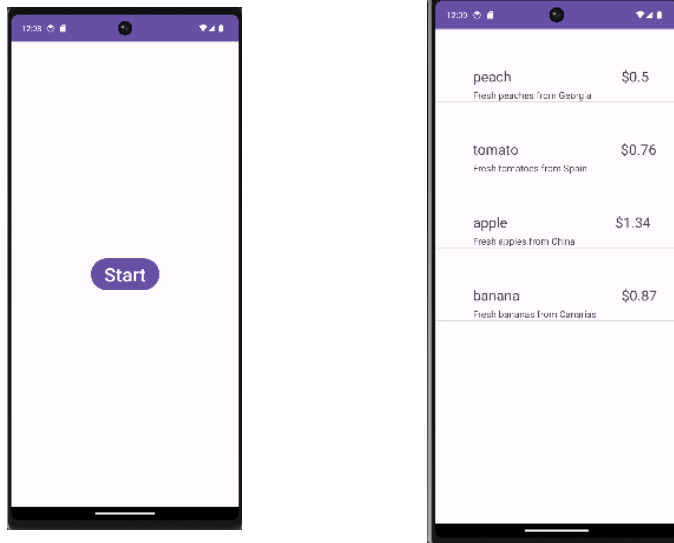First I was seeing the android studio by myself. I started a project in Kotlin instead of Java, and for 10 minutes I didn't know why my project was different from the one in the video. Then I made a new project in Java and I made the add calculator.

Date : 10/10/2023
Activity : Video lecture of Android Studio For Beginners Part 2
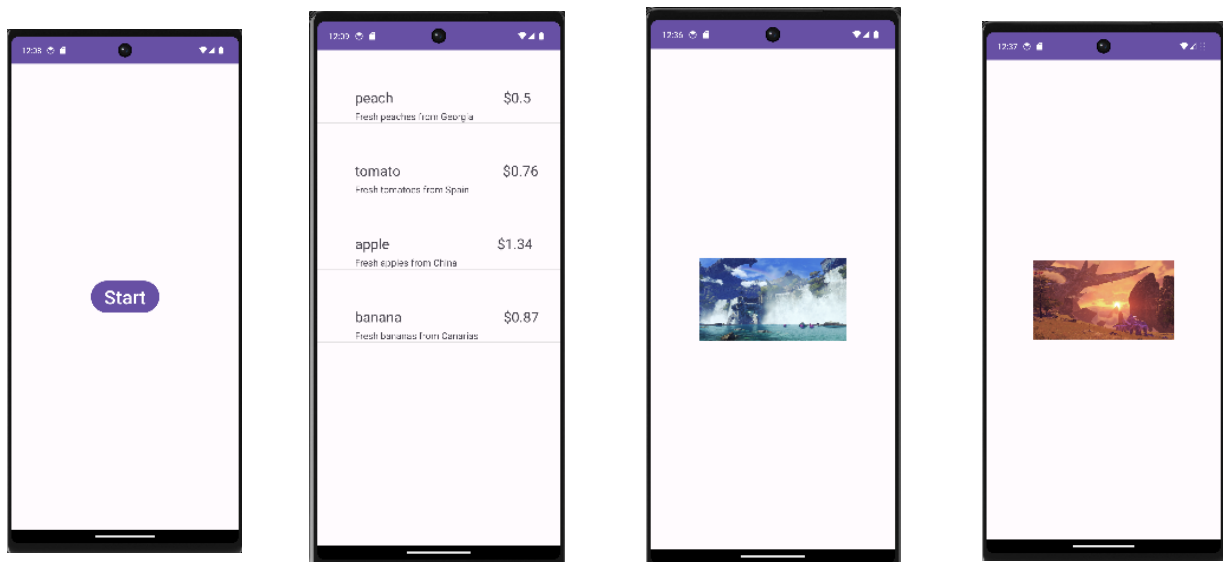
Learning outcome: Today I made navigation between screens in my app. For doing that I
have to use Intent and StartActivity. First I just did a button to change screens, but then I
tried to pass some information. To do that you have to use the method putExtra(), and you
can use that information by calling the key. Then I tried to open google on my navigator
but the emulator doesn't allow me to use it because it crashes, so I pair my device and I can
open google there.

Date : 11/10/2023
Activity : Video lecture of Android Studio For Beginners Part 3

Learning outcome: Today I made a list view and I incorporated images into the app. For
the list view I just have to write in strings the different list that I want and the using method
getStringArray() I put into the local variable. I also have to add how I want the list to look,
by adding a new layout and combining the data with the layout in another class.
Then for the images I have to add another layout, but that time I have to rescale the image
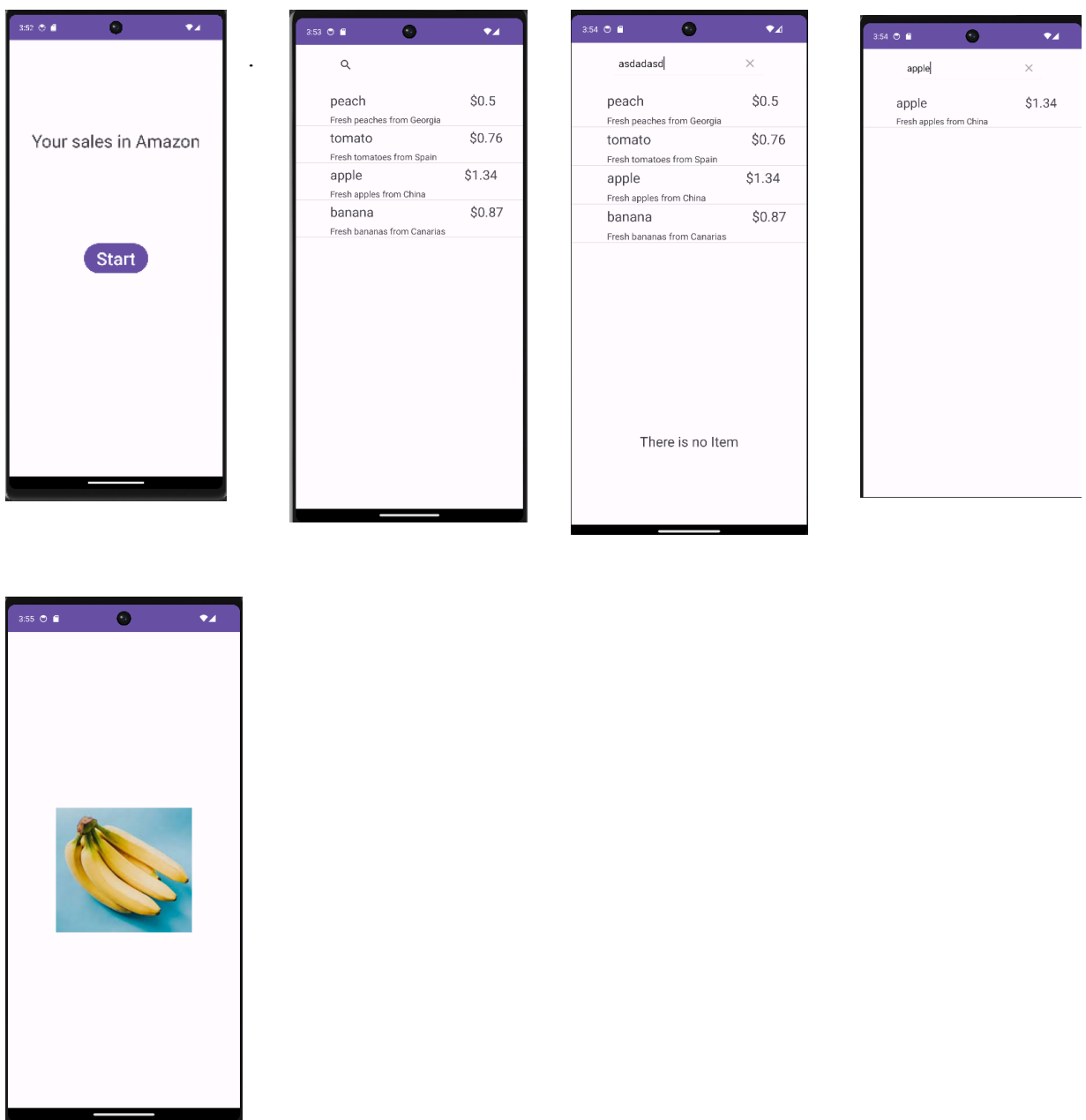in a new class.

Date : 12/10/2023
Activity : Improve the app

Learning outcome: Today I made a search bar with the items list. What it does is that when you search a product the list is only of that product, and when the object you are searching does not exist it will give an error and the full list.
To do that I have to use setOnQueryTextListener(). That method has two override methods. The first one is used when you want to do something with the full text. The second one is used when you want to do something when the text you are searching is changing.
I also have to make sure that the extra information that I send is not the index of the array, but the item itself.
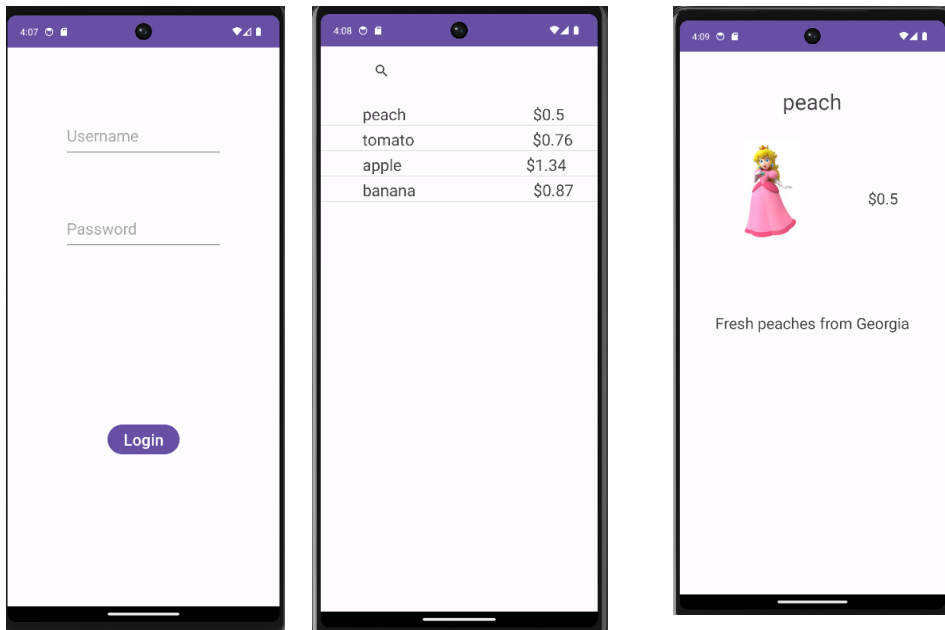Besides I put pictures for every item.

Date : 13/10/2023
Activity : Improve the app

Learning outcome: Today I made a login page and I changed the list and the info of the items. The login page is not a real login page, you can put everything in username and password and it is going to work. But in order to make a profile I need information.
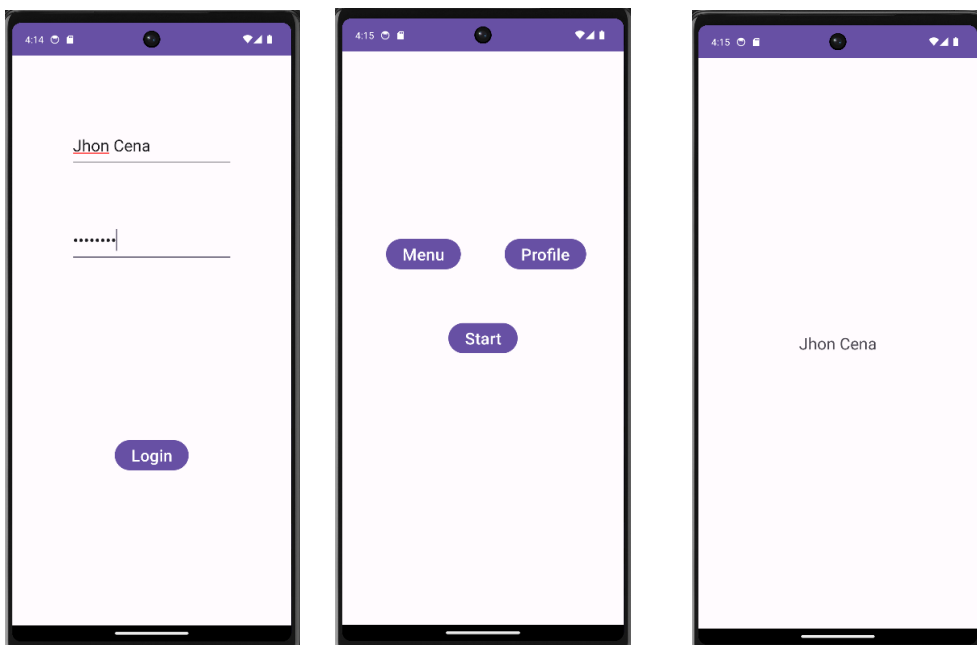
The info of the items are more than a picture, now it has the name of the item, the price, the description and the image.

Date : 16/10/2023
Activity : Improve the app

Learning outcome: Today I made a menu and a profile page. In the menu is only some buttons to choose what to do, and in the profile is only a text with the name of the user. In order to know what the username is I had to make a static variable and method. Because the method is static I don't have to crate an object of the class.
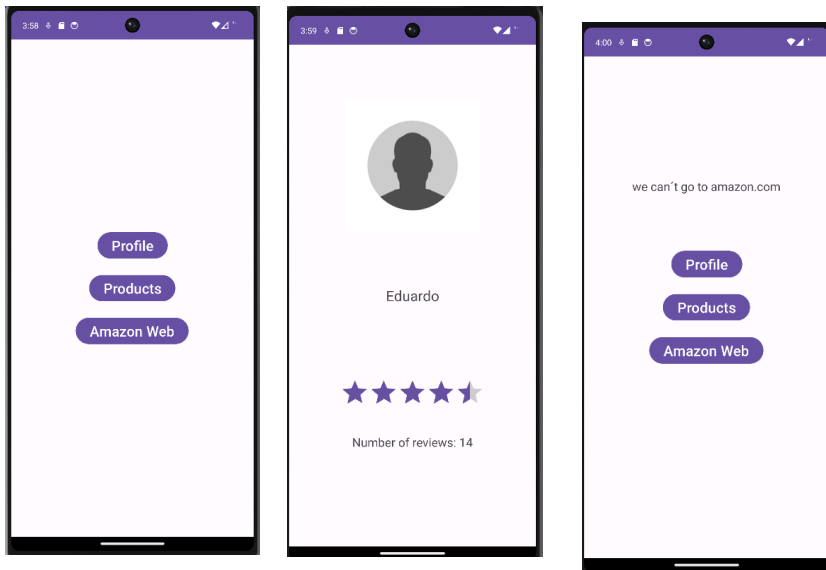
Date : 17/10/2023
Activity : Improve the app

Learning outcome: Today I improved the menu and the profile. Now in the menu you can go to three pages: your products, your profile and amazon. The problem is that in my emulator I can't use google chrome, so I can't go to amazon.
If the emulator can't open amazon an error is shown on the screen.
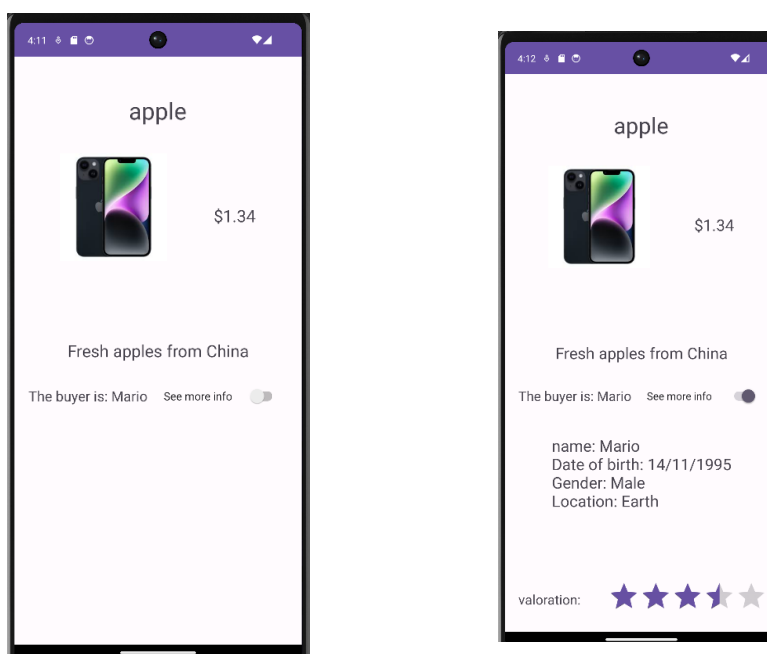In the profile I add a photo, and the rating in stars of some of the sales.

Date : 18/10/2023
Activity : Improve the app

Learning outcome: Today I add in the item information the buyer's information.
Now in the page there is a switch that can show the buyers info and you can rate it with the start method.
If the switch is off the only information is the name of the buyer, but if it's on the info is: the name, the birthday, the gender and the location. It's the same with the valoration, if the switch is on the stars are visible.
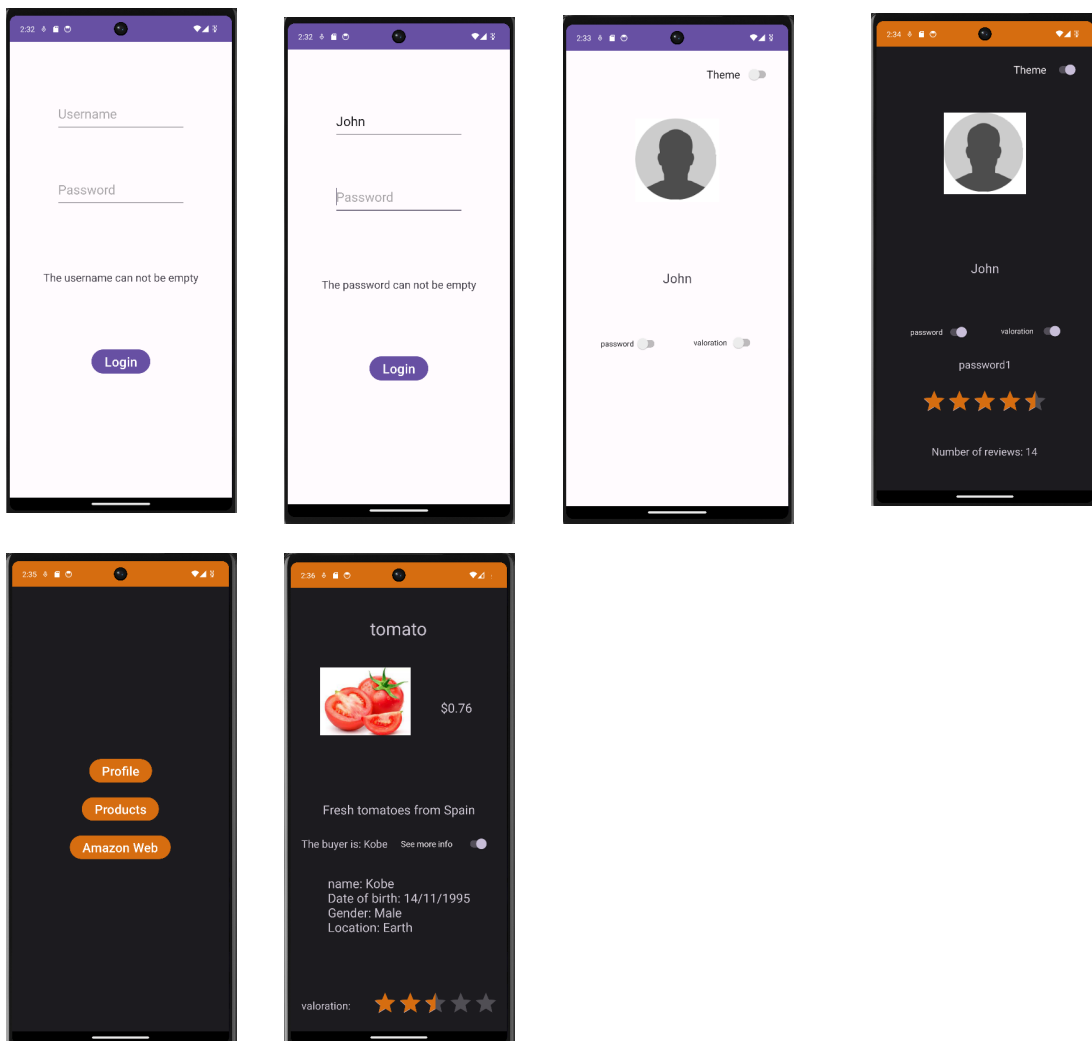
Date : 19/10/2023
Activity : Improve the app

Learning outcome: Today I improved the login, now if you enter an empty username or password a text error will show up.
I also add themes to the app. There are two: the light one and the dark one. The light one has the primary color as purple, so the buttons and the stars are also purple.The dark one has the primary color as orange, and the stars and buttons when you change the themes become orange.
To change the themes, I added a switch in the profile, and I added two more switches for showing the password and the rate of your profile.

Date : 20/10/2023
Activity : Improve the app

Learning outcome: Today I added more examples of products. A tv, a wallet and a laptop.
I also changed the code and made the names of the buyers an array.