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Mobile Property For WP7

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Introduction

Do you remember how easy it is for you to visualize something when you see it as a picture or image? Remembering things become easier, when we can keep a picture of it somewhere for future use. Today life is getting easier with the revolutionary of mobile technology. Student, Business men, individuals used mobile technology in their day-to-day activity. An example is a student in Lecture Theater being shown by his professor with complex diagram that cannot be easily stored in ones memory immediately. This student can use his/her mobile phone to take a picture of the complex diagram for future use. Wouldn't it be easy if on the picture this student can add all the necessary information on the diagram? Or imagine yourself in a shop buying something, wouldn't life be easy if you could take a picture of the receipt and input other information like guaranty and be stored somewhere in the cloud or a remote de rather than keeping a paper receipt that you can easily lose it. It is in view of this that we have developed Mobile Property for Windows Phone 7 to make you life easy. Going by the adage "*A picture is worth a thousand words*" We are of the view that if some information can be added to a picture it will worth more than thousand words.

Use Case

This system has one Actor, who is the mobile (WP7) user,

1. He or she start the application and get a screen with pictures already taken (if there is any)
2. Can take a new picture or browse what is there.
3. Input information about the picture.
4. Store the picture and information
5. View picture and information
6. Can delete
7. Close Application

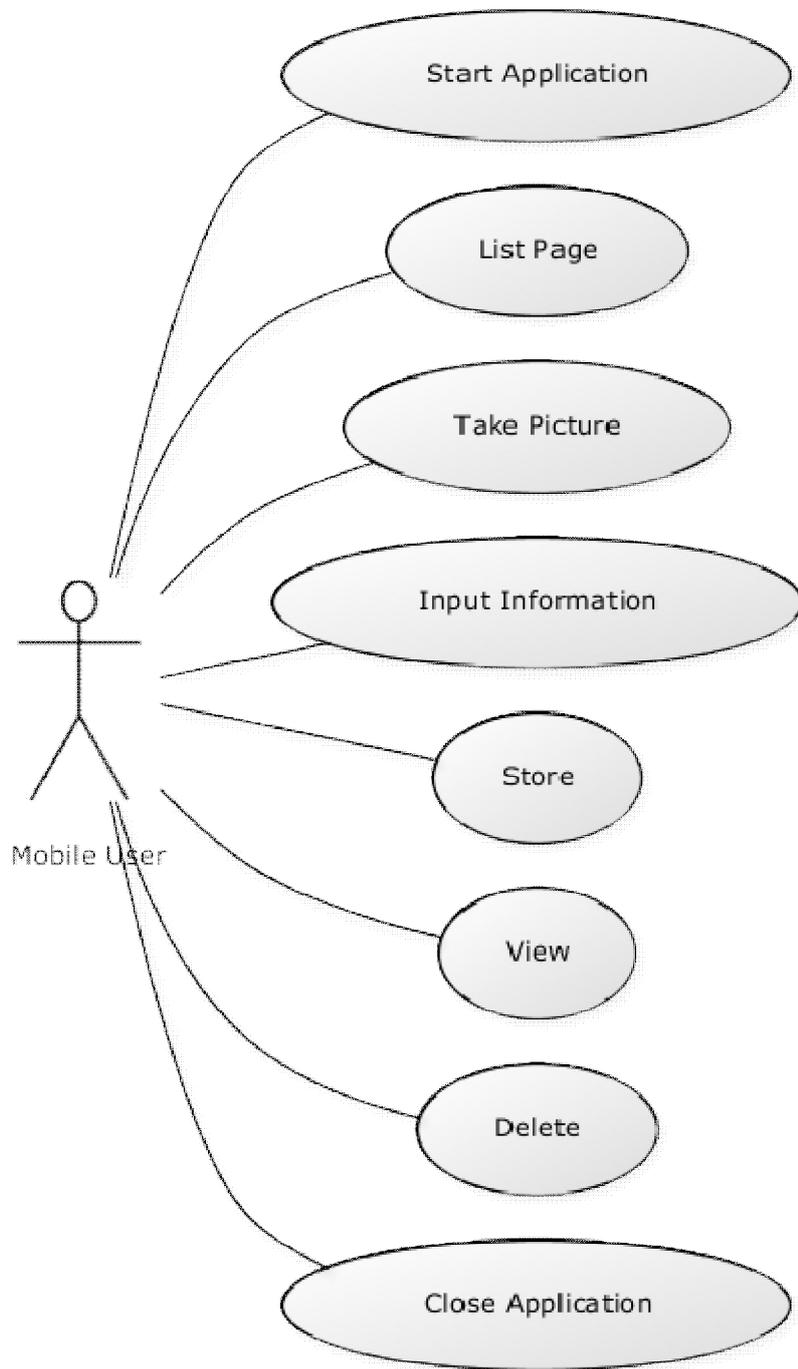


Figure 1 (A use case diagram of property mobile)

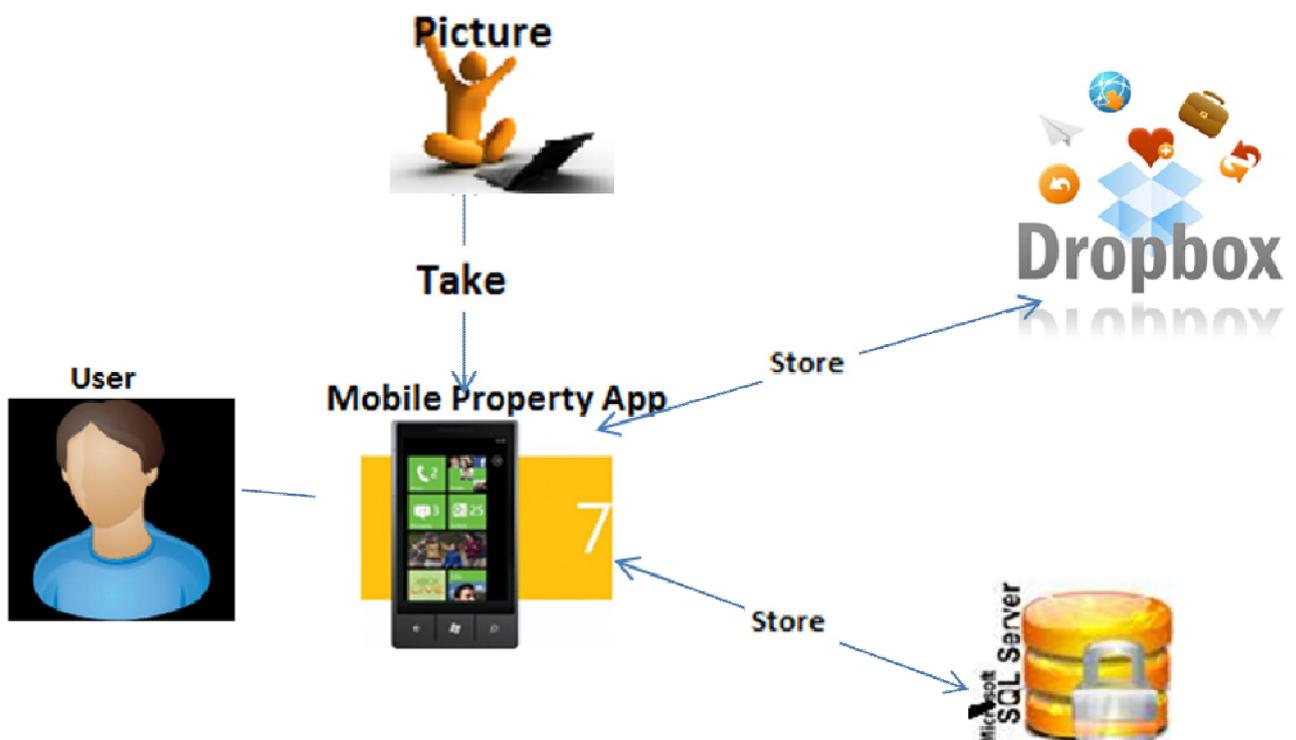
How it works

- Start the app
- what to do (save an item or browse an item)
- Save an item
 - You take a picture of the item
 - Give it a name
 - it pup up what you can do on the item
 - Take a picture of the receipts
 - Input the data
 - price
 - guaranty start and end date
 - Manual (link to the manual)
 - location of the item *
 - Save the item
 - Close or return to previous main menu
- Browse an item
 - Select the item
 - Click on which item to view
 - Close or return previous main menu

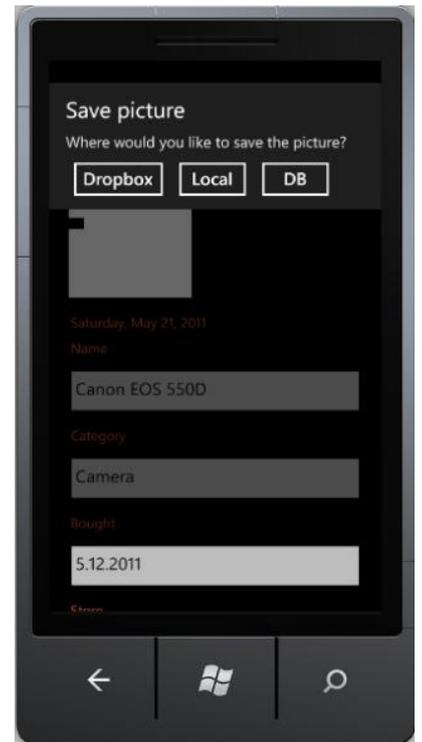
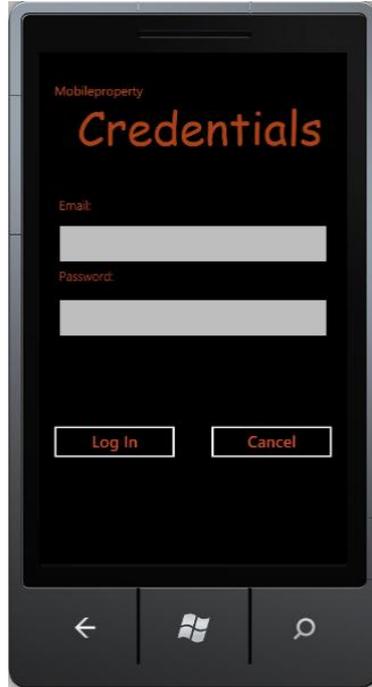
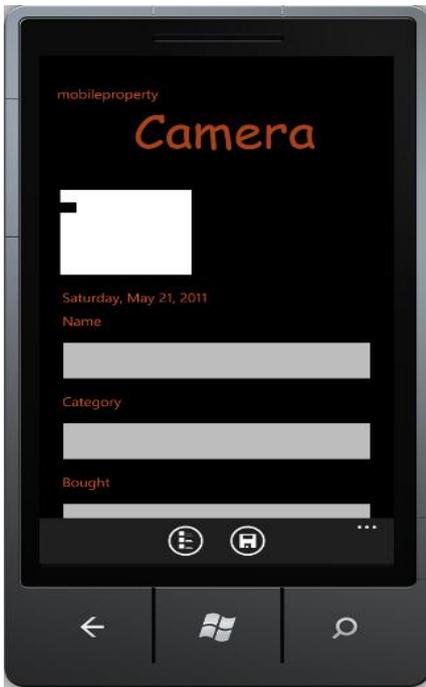
Architecture

This architecture illustrate how WP7 making used of mobile application, after taken a picture, it allow you to add important information to it and stored them in a local disk or dropbox or MS SQL server.

Below is the Figure 2 showing the architecture of Mobile Property.



Screen Short



Technology Used

The technologies used to implement this application are MS Visual Studio 2010, Silverlight, MS Express Blend, and MS SQL Server.



Conclusion

Using the WP7 was fun and nice. We learnt a lot and were able to work as a team.

It was interesting to see how visual studio has now incorporate a lot of graphic design into their platform. We also find it interesting using both Silverlight and Blend 4 together to achieve one goal.