

INFOSTRETCH MOBIMINTED

An iPad app to design greeting cards

Developed At

InfoStretch Solutions Private Limited



Guided By

External Guide : Mr. Ashwnin Vairu

Internal Guide : Mr. Malay Bhatt

Developed By

Mitul Shah (072140)

Harshil Patel (072058)

INTRODUCTION

- InfoStretch MobiMinted is an iOS application which can be run on Apple's iPad.
- Design card according to occasion.
- You can view, edit, save card designs and order.
- A Client – Server Application
- Various Tools and Technologies
 - Xcode
 - MySQL
 - NetBeans
 - Objective C
 - Java
 - Interface Builder
 - Glass Fish Server



MOTIVATION

- To give end user facility to add content he wants on his card.
- For any occasion personalize and order card as per your need.
- Large number of option available.



OBJECTIVES

- To learn iOS programming and understand Objective C.
- To make an eCommerce app for greeting cards.
- To Learn various iPad functionalities such as Split View Controller.
- To integrate payment option like PayPal in the application.



APPLICATION OF MOBIMINTED

- This application can be used by anyone having iPad and wifi network availability.
- Can design cards from home i.e. ease of use.
- Can be used for any occasion like Graduation, Marriage, Birthday, etc...
- PayPal integration – so a secure way to pay money online.



APPROACH APPLIED – OVERALL PROCESS

- For development of this application Incremental model is used.
- General flow of each module is as below
- First define the module and probable working flow.
- Then design UI using Interface Builder, if required in parallel implement web service if needed and new tables in database.
- Then implement actions and controls and match form IB to code.
- Test if it is working as expected or not and apply changes if needed.

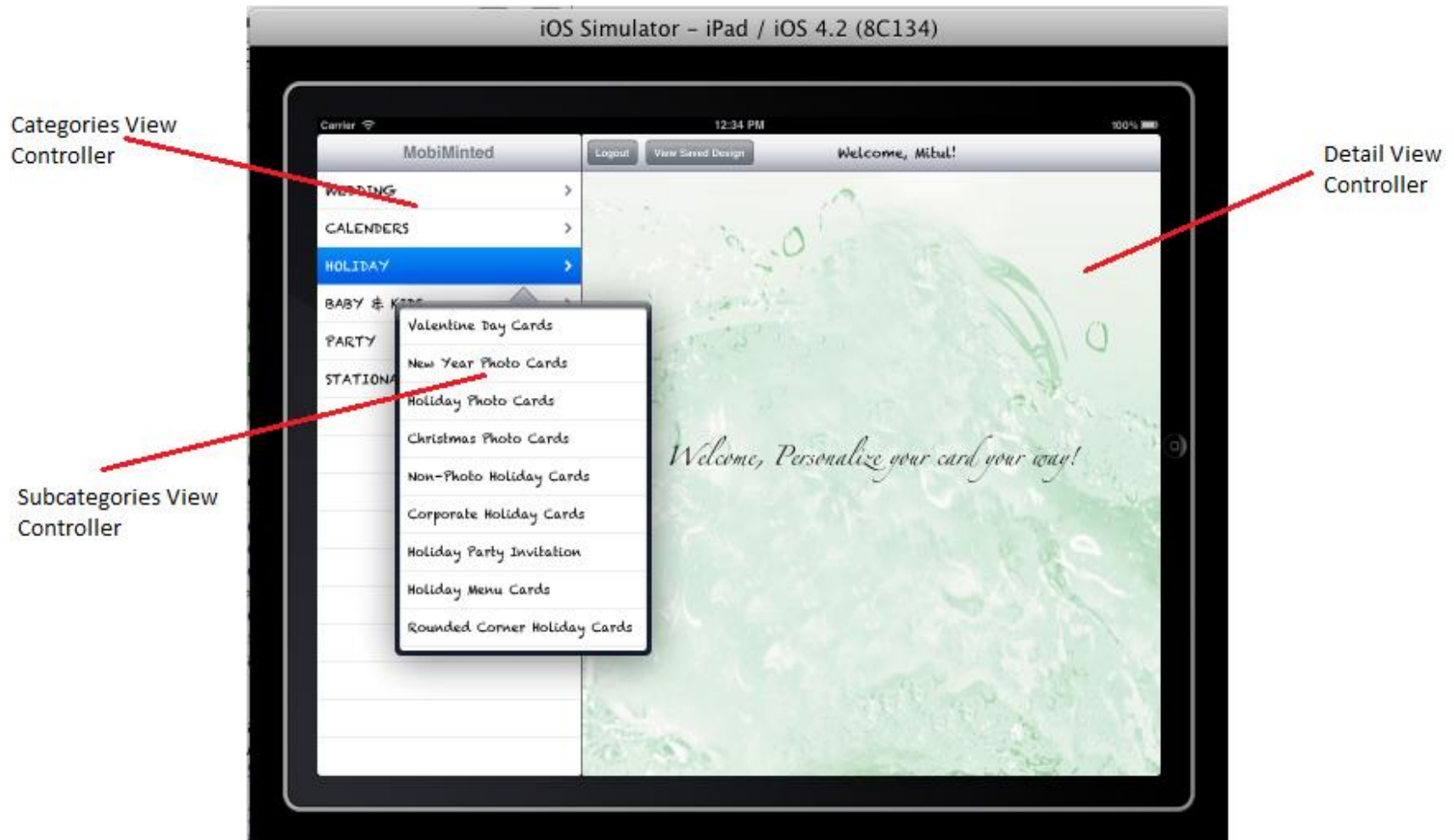


APPROACH APPLIED – THE FLOW

- First implement CategoriesViewController and DetailViewController.
- Implement basic functionalities like view categories, subcategories popover.
- Add basic features like login/registration.
- Add some sample template details for few subcategories.
- Design TemplateViewController for viewing different templates available.
- Implement feature of adding user content on image.

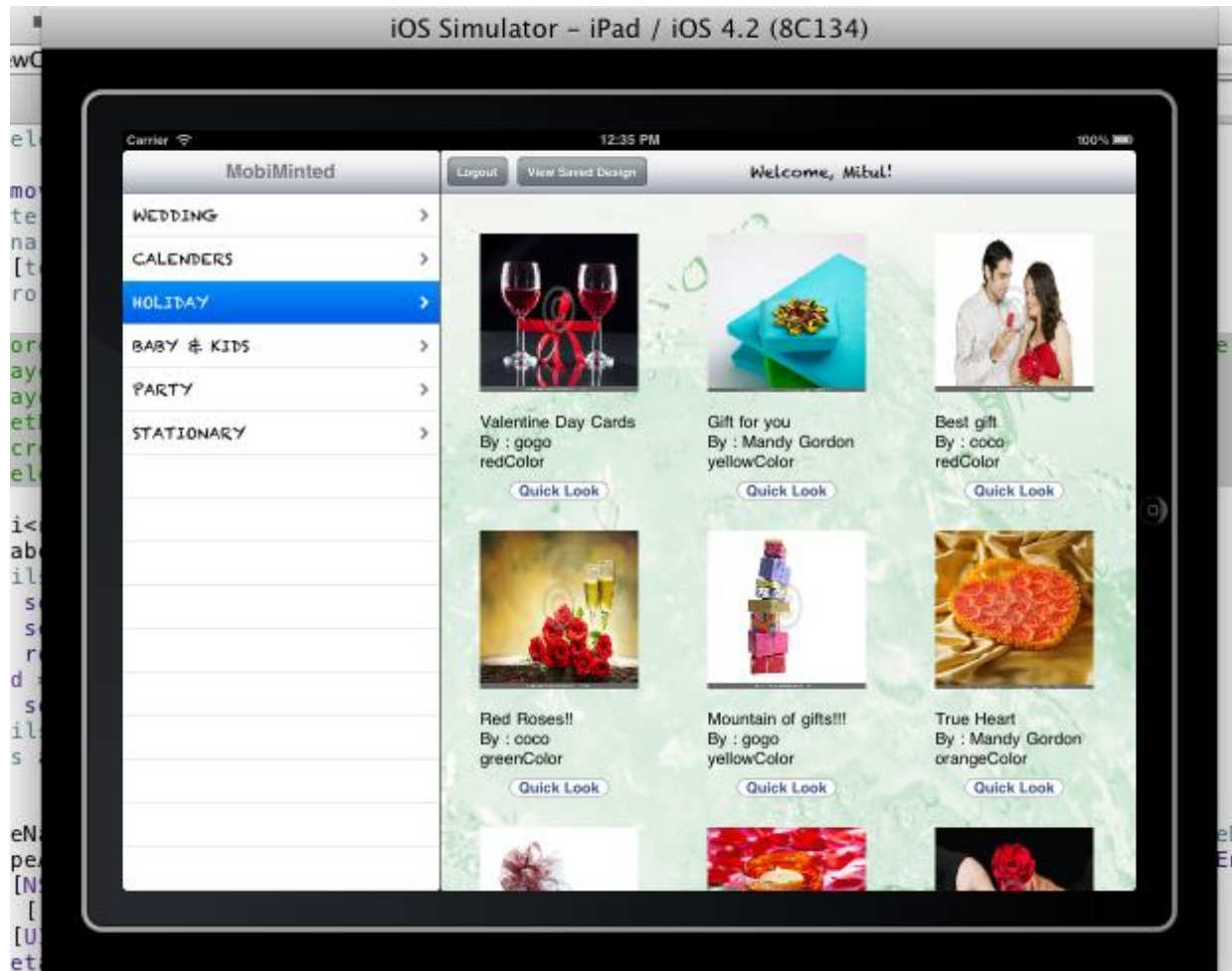


SCREEN SHOTS – FIRST VIEW



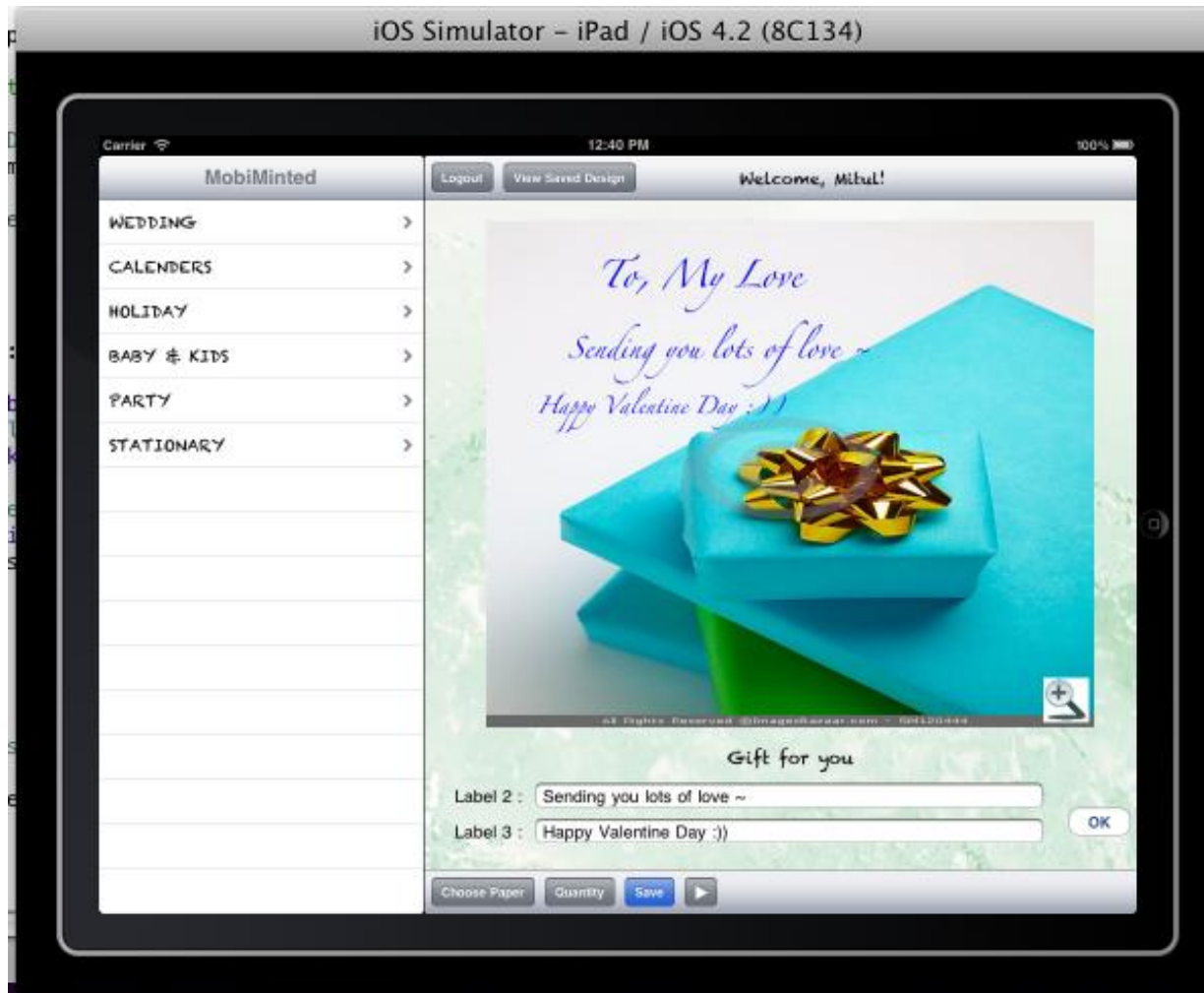
Categories View controller – Subcategories – Detail View Controller

SCREEN SHOTS



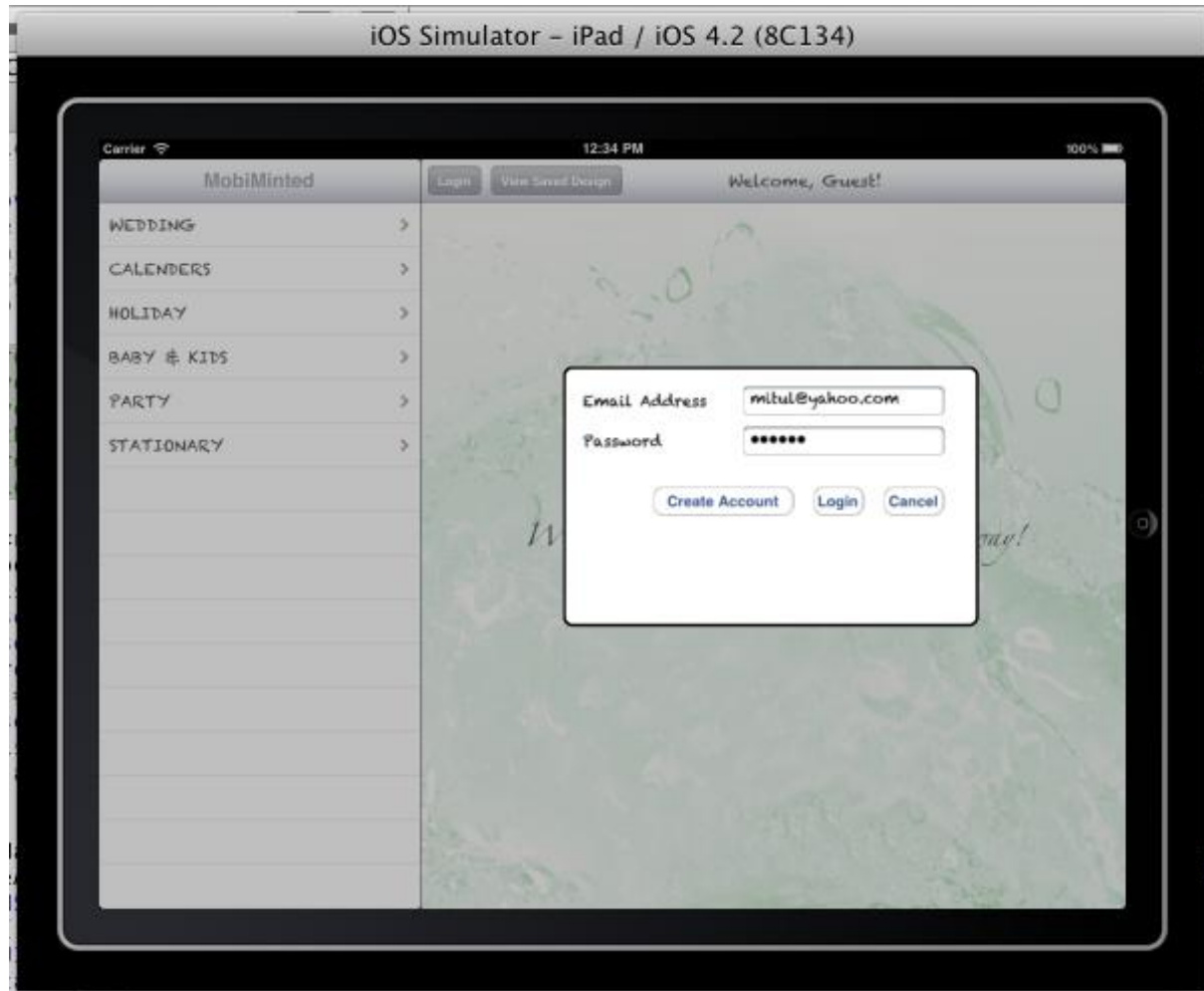
Template View Controller

SCREEN SHOTS



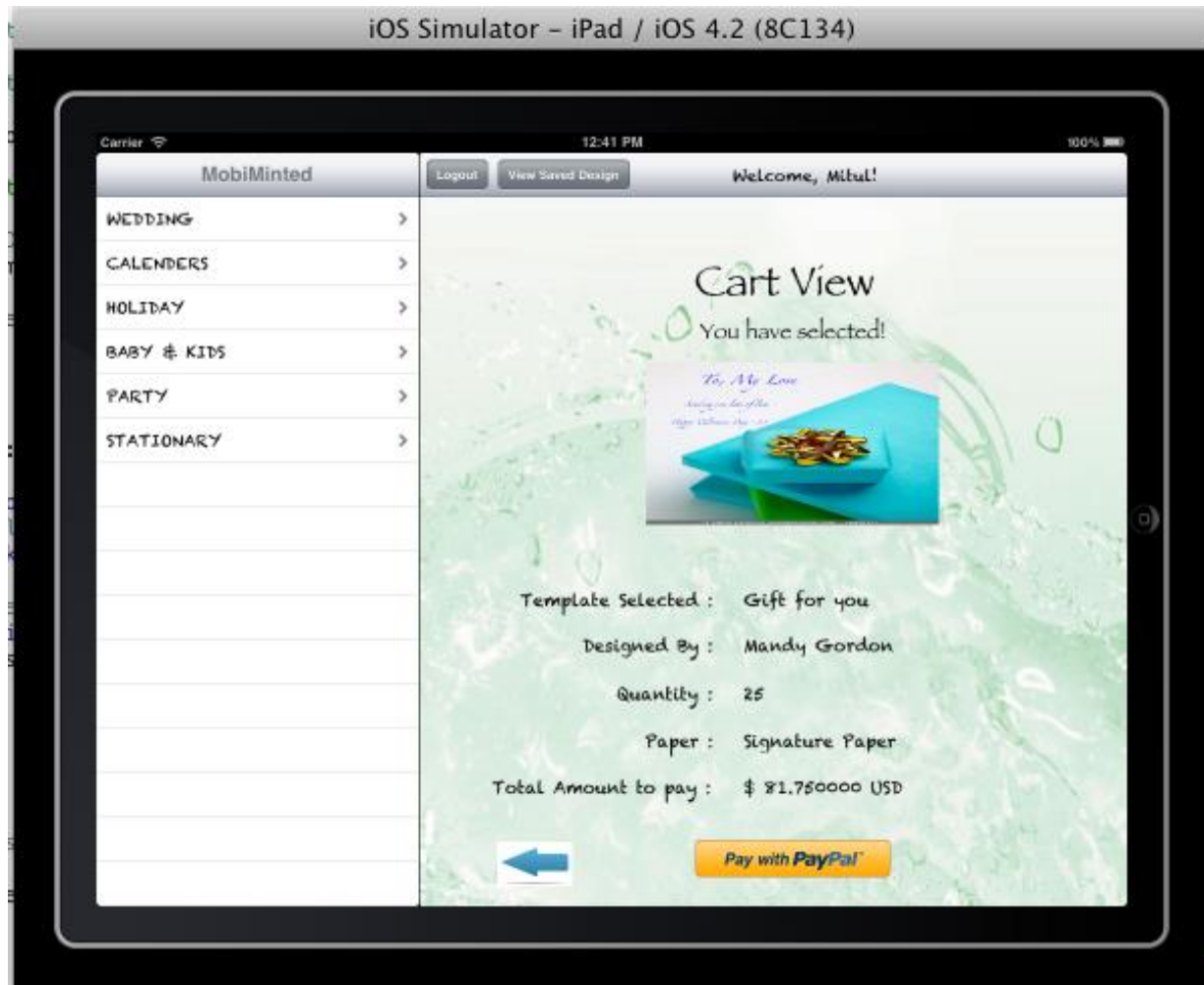
Edit Template View Controller

SCREEN SHOTS



Login Page

SCREEN SHOTS



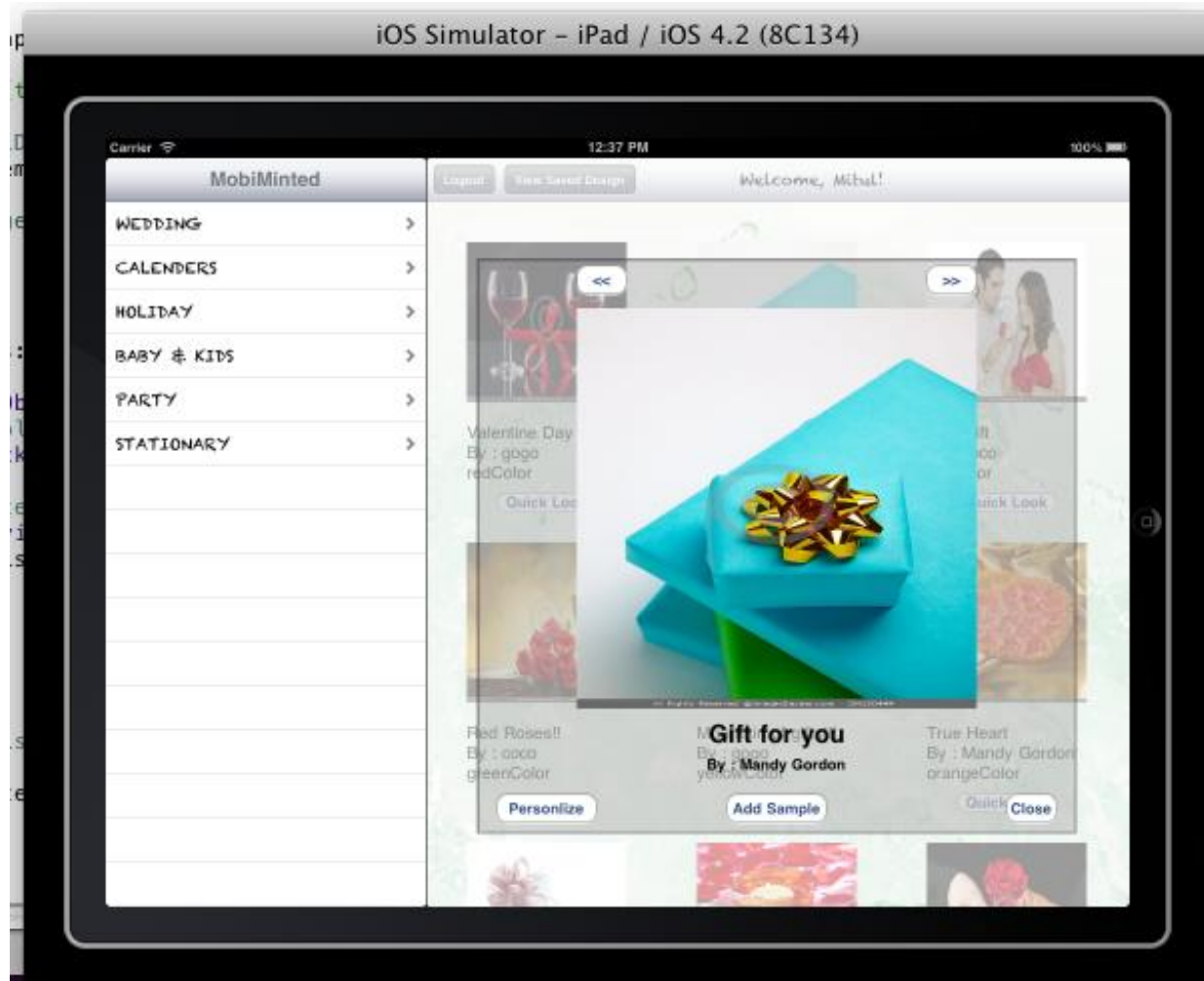
Cart View Controller

APPROACH APPLIED

- Implement extra feature like quick look, zooming facility.
- Implement cart view.
- Integrate PayPal Sandbox Payment gateway.
- Total GUI Improvement and adding animations like activity indicator for loading and alert views.
- Support application for both views Landscape and Portrait.
- Optimize code via code review.



SCREEN SHOTS



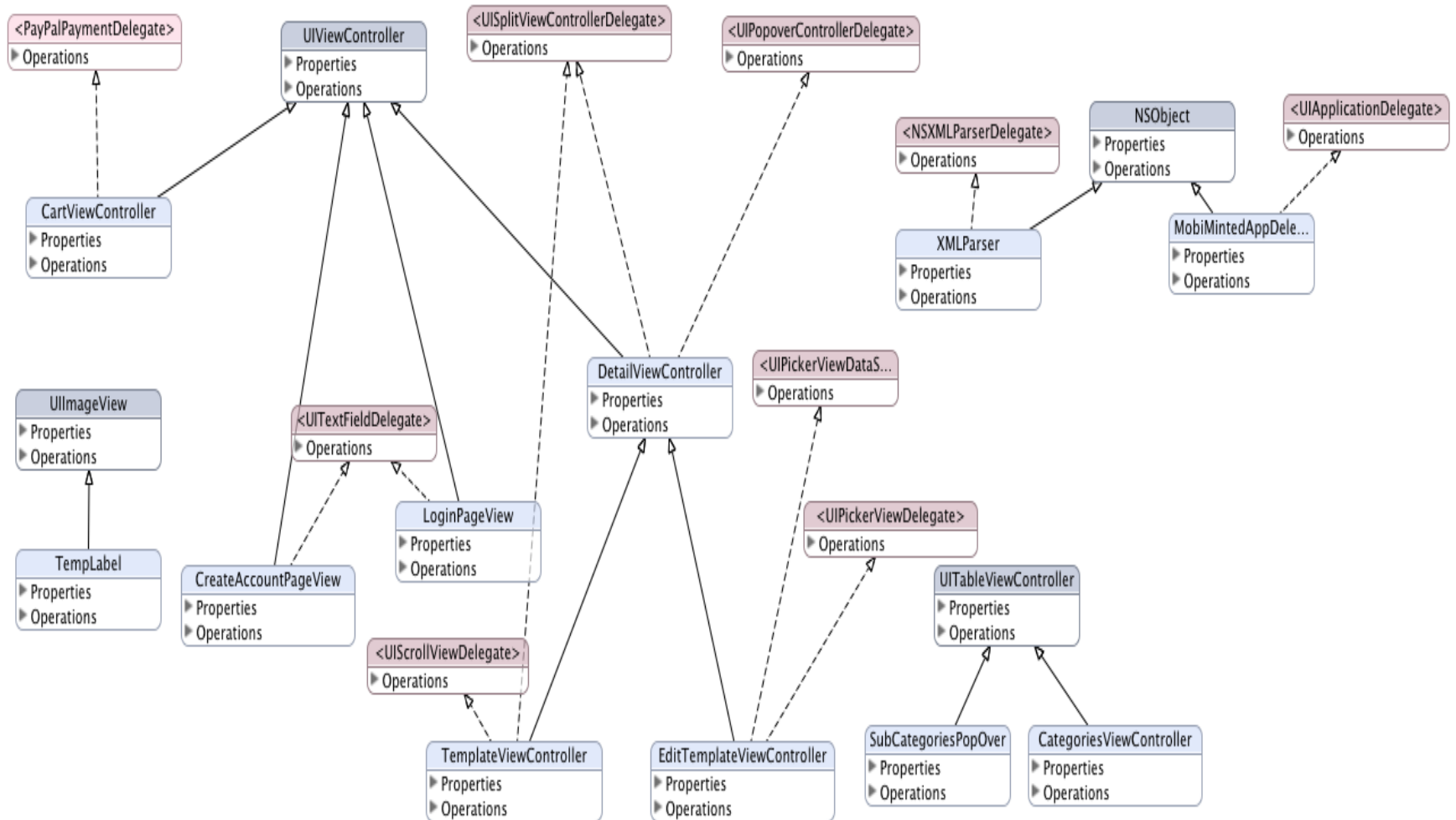
Template View Controller with quick look

SCREEN SHOTS

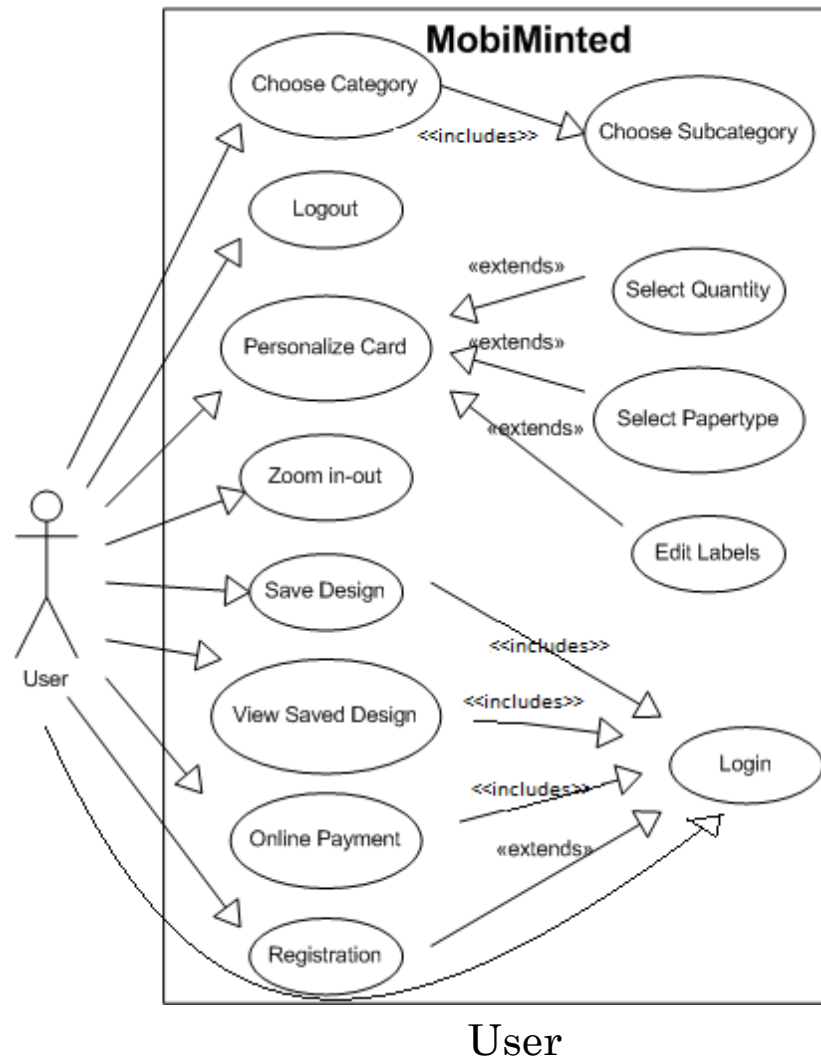


Edit Template View Controller – Zoomed in

CLASS DIAGRAM

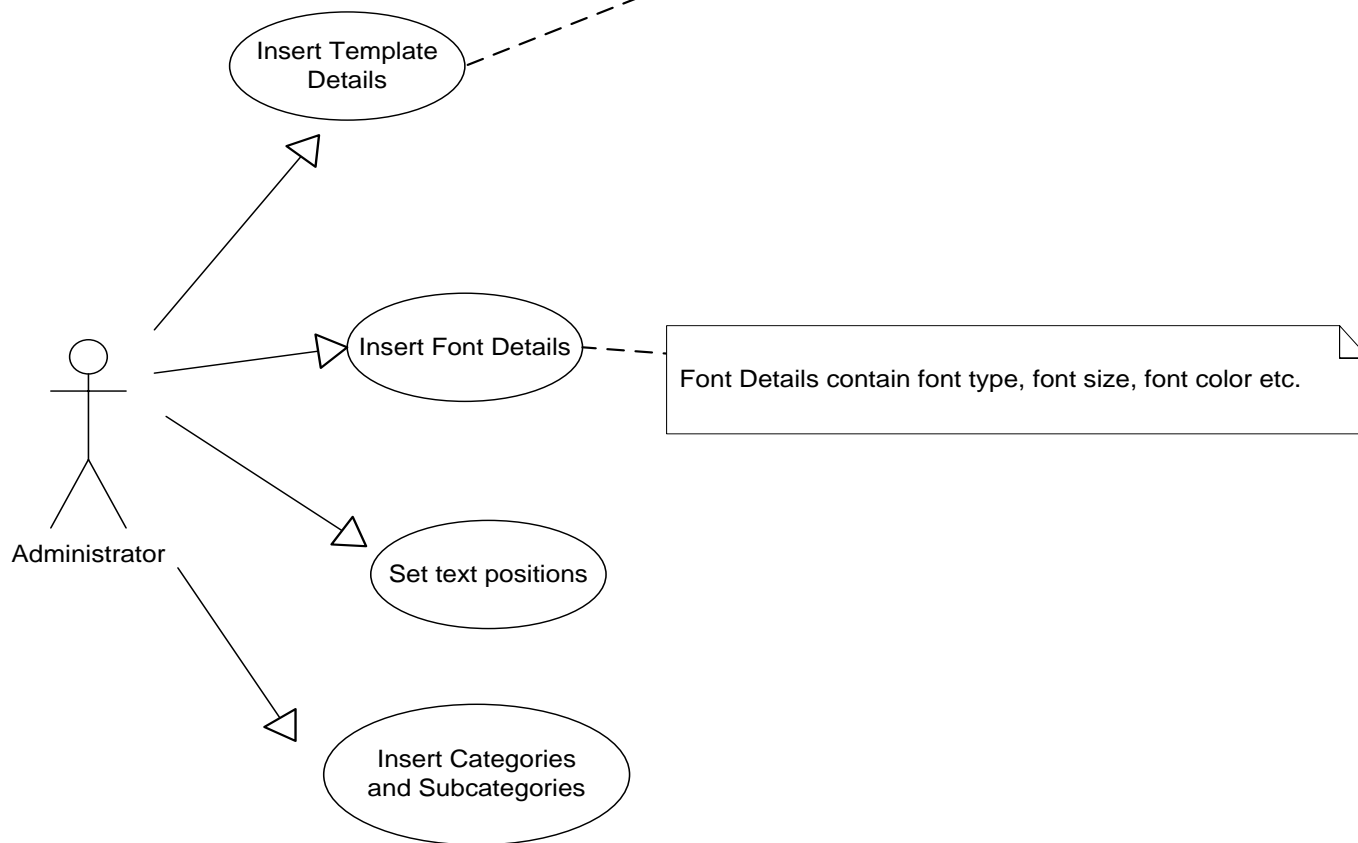


USECASE DIAGRAM



USECASE DIAGRAM

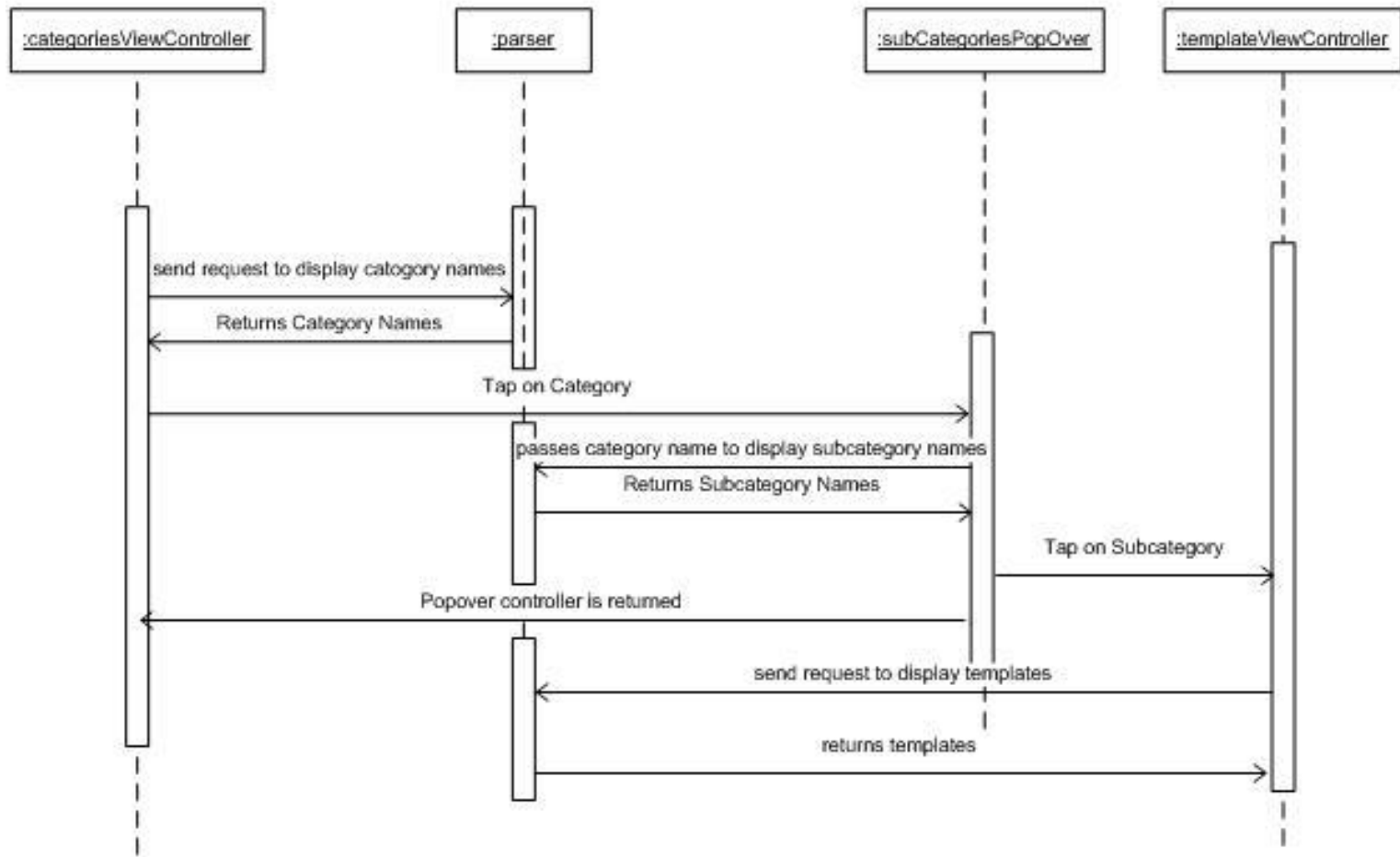
Template Details contain template name, card image, quantity, paper type for particular template, designer name, price of paper etc.



Administrator

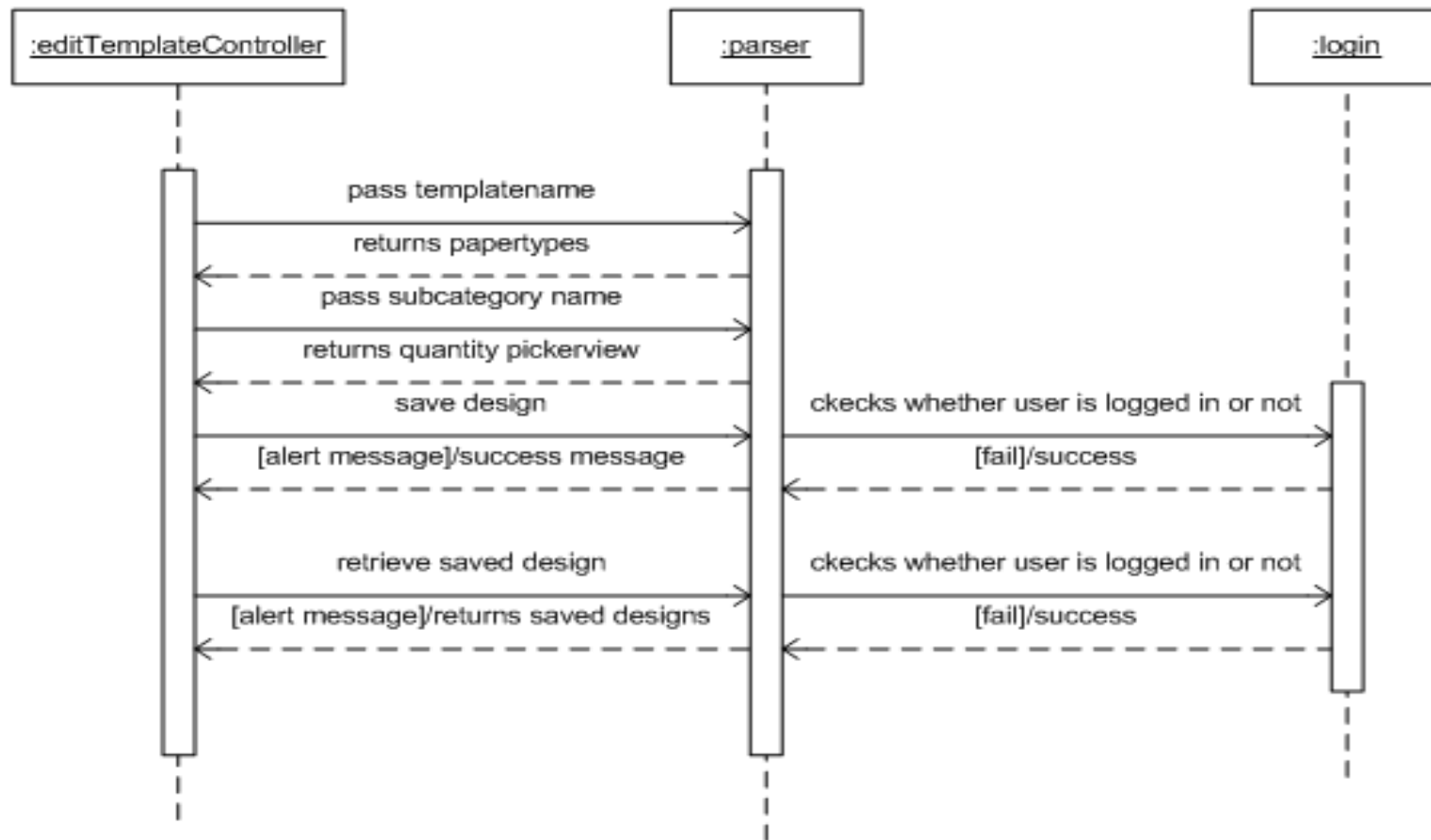


SEQUENCE DIAGRAM



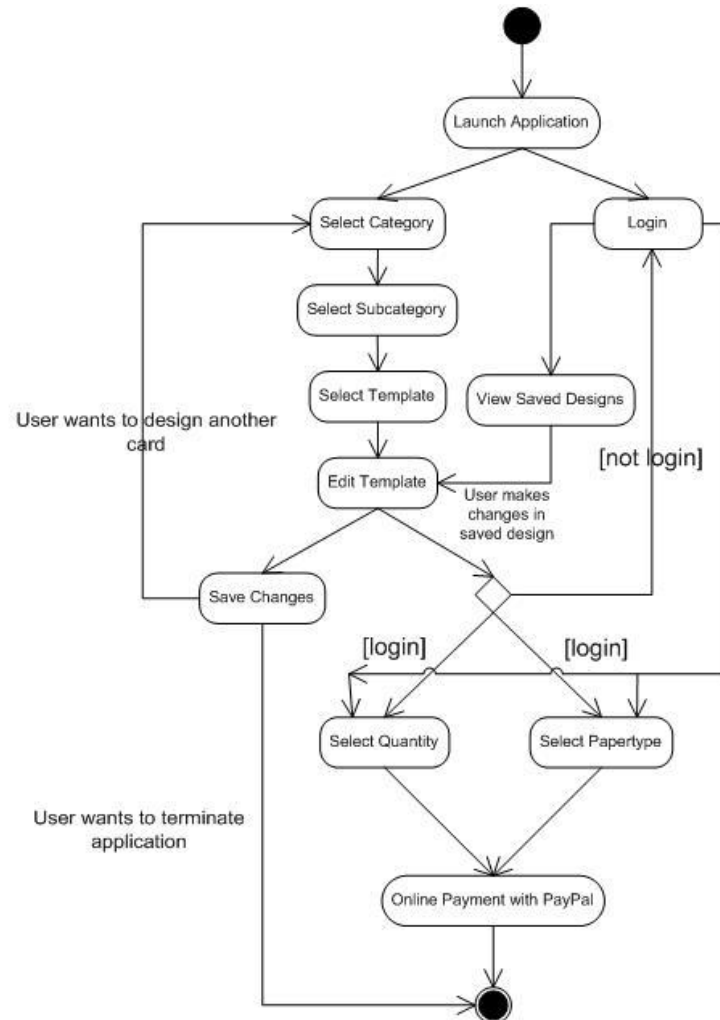
Display templates

SEQUENCE DIAGRAM



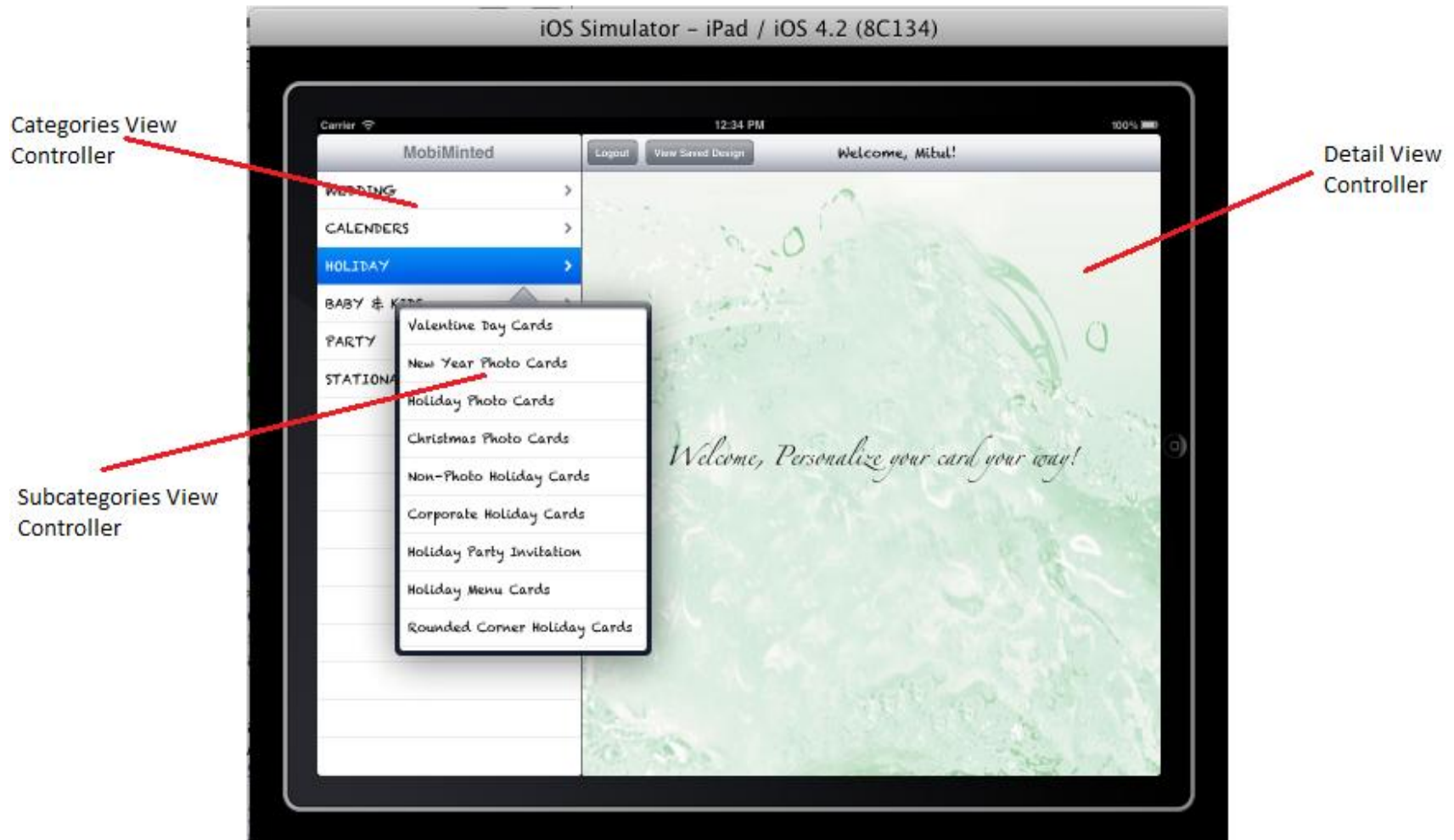
Save and view design

ACTIVITY DIAGRAM



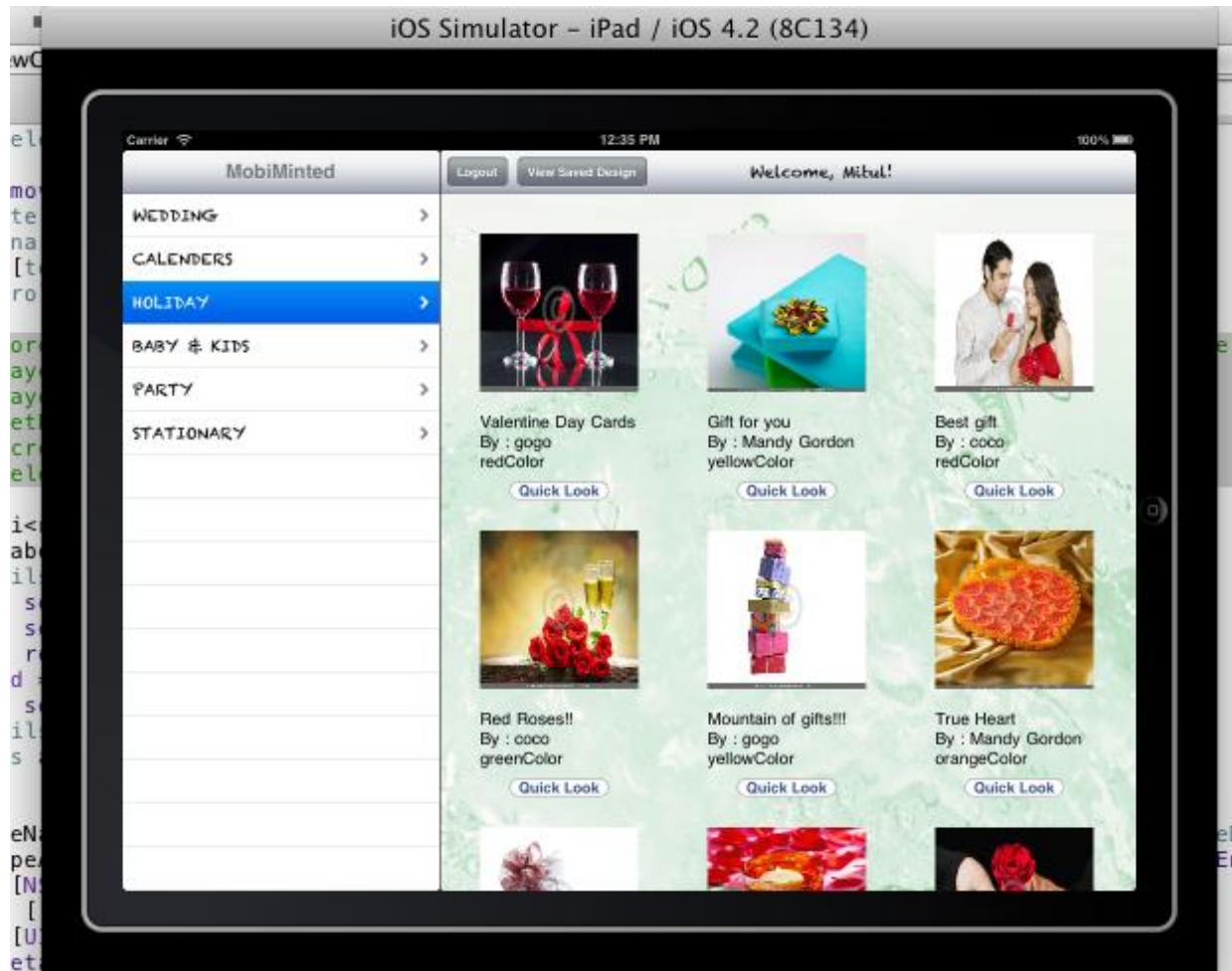
Activity Diagram

SCREEN SHOTS



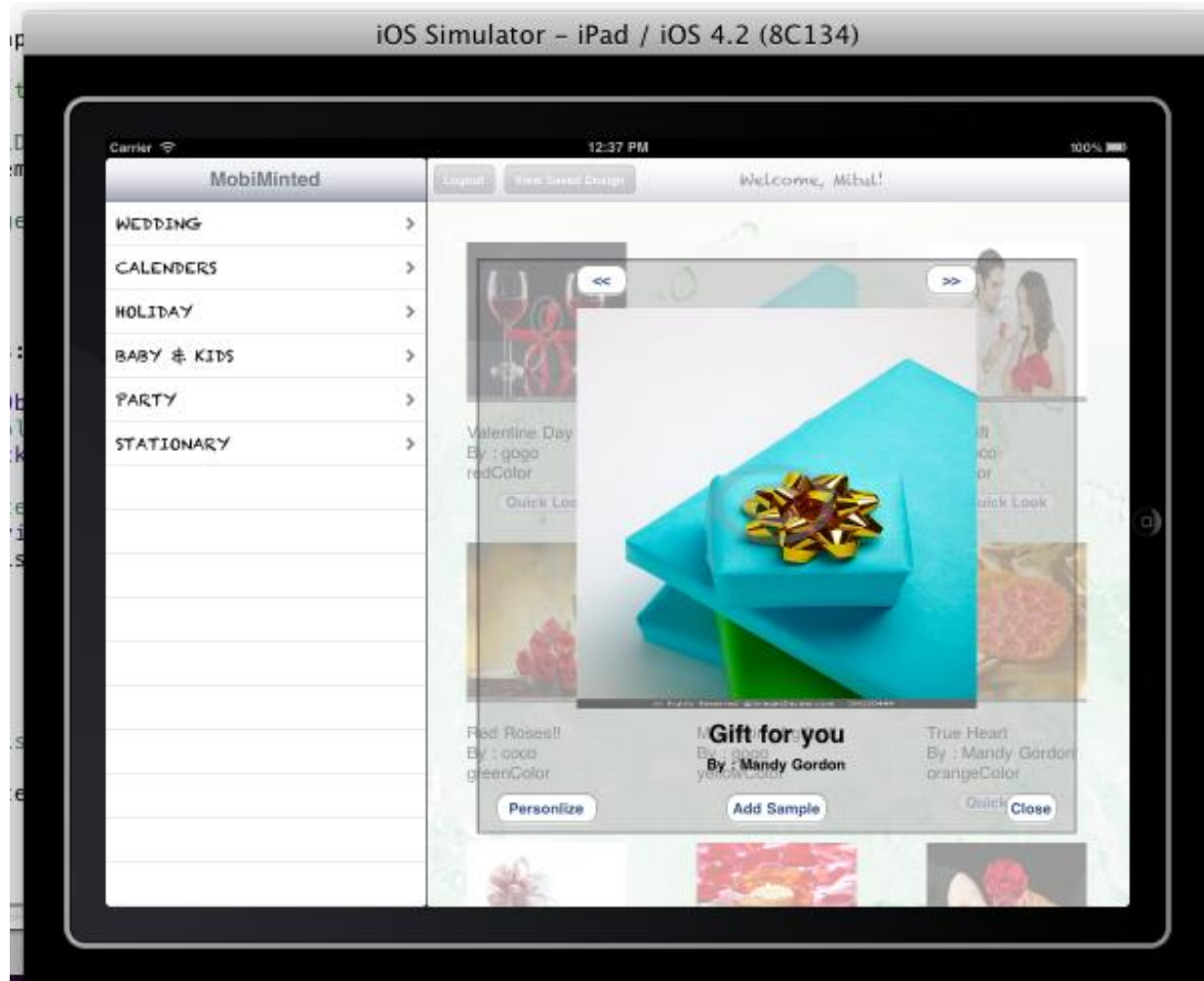
Categories View controller – Subcategories – Detail View Controller

SCREEN SHOTS



Template View Controller

SCREEN SHOTS



Template View Controller with quick look

SCREEN SHOTS



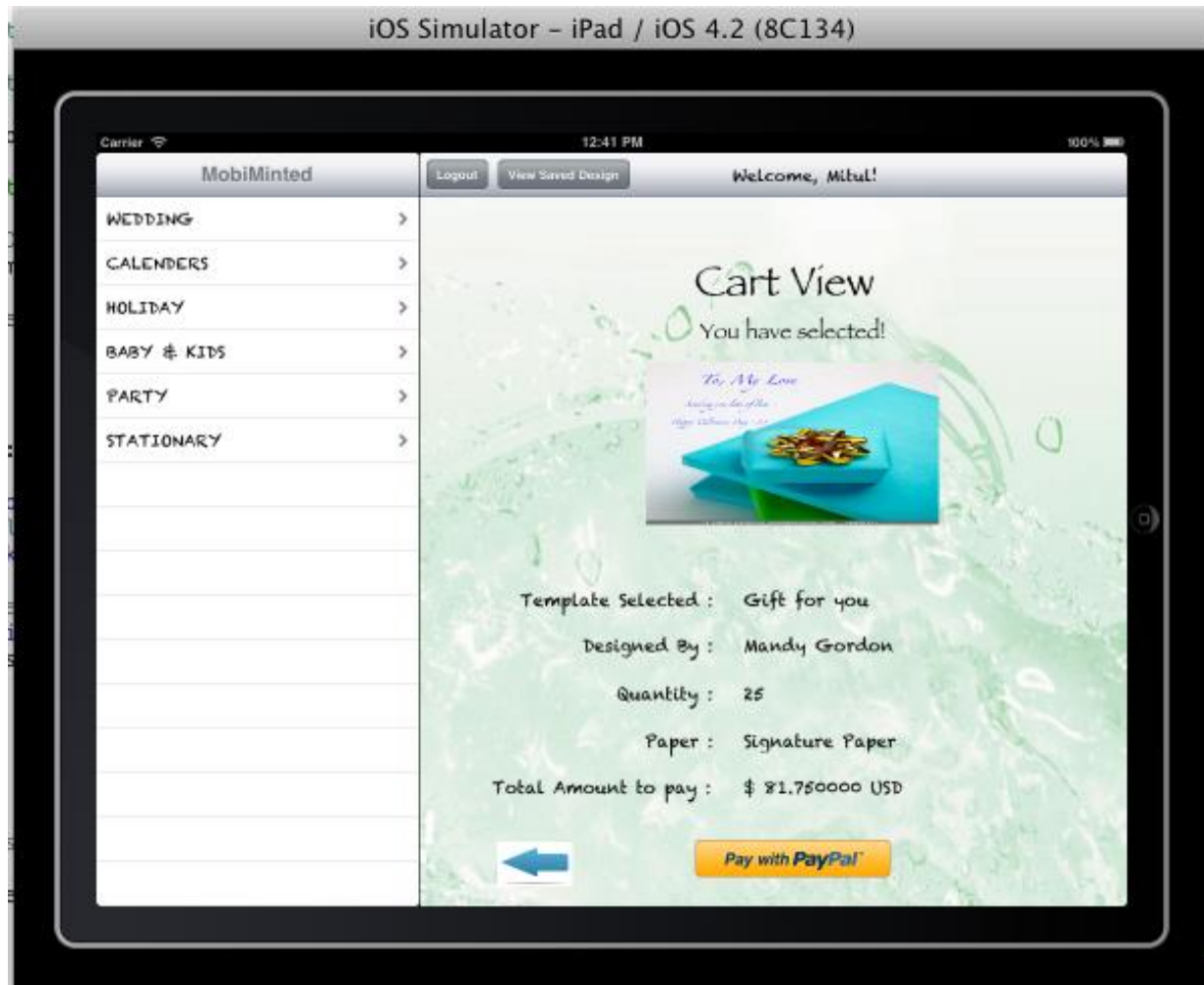
Edit Template View Controller

SCREEN SHOTS



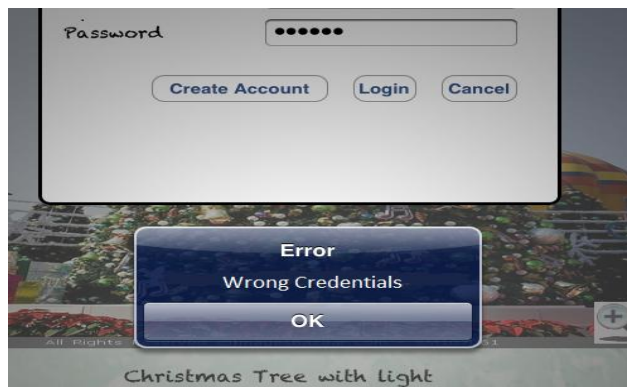
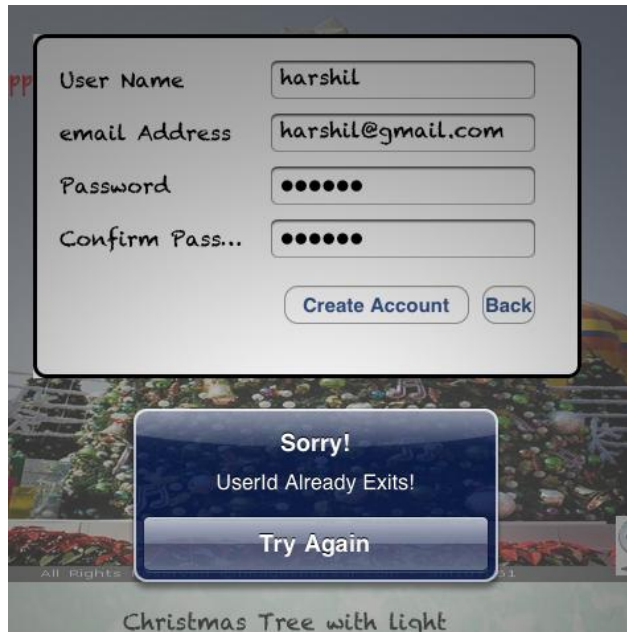
Edit Template View Controller – Zoomed in

SCREEN SHOTS



Cart View Controller

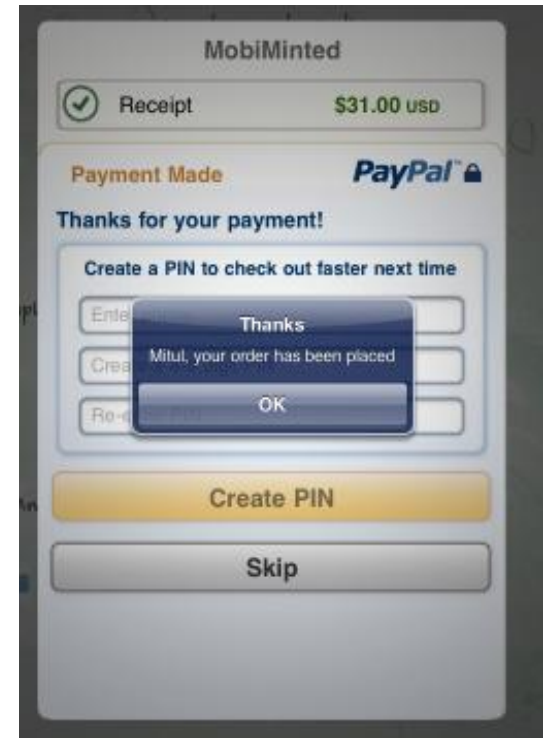
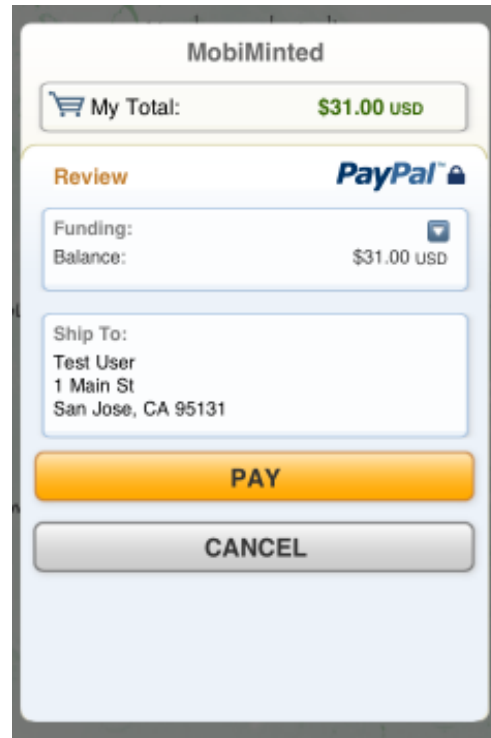
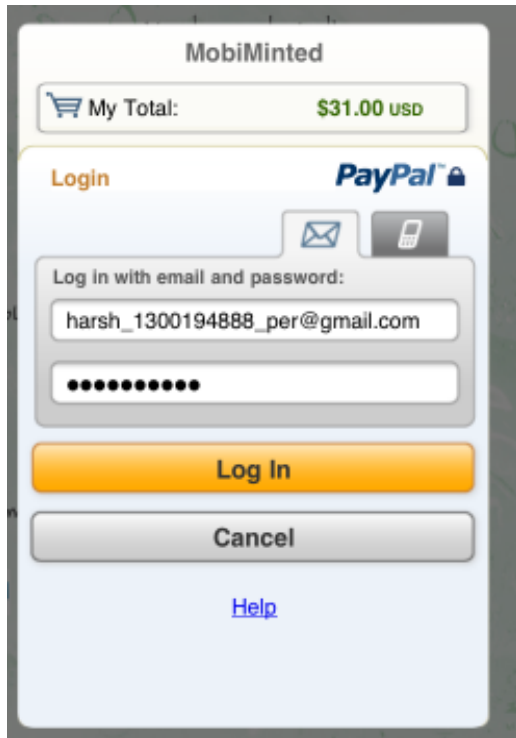
ALERT MESSAGES



- Different alert messages displaying various error like user already exists, losing custom changes, incorrect credentials.



PAYPAL PAYMENT



- Paying through PayPal Account and confirming that our order has been placed.



CONCLUSION

○ Advantages

- Design cards from anywhere
- You can add your own content
- Flexibility in ordering i.e. you can save designs for ordering afterwards.

○ Disadvantages

- If you don't like designers choice of font style and color.
- If wifi network not available this application cant work.



FUTURE EXTENSION

- Add admin user rights to add/remove any template the GUI way.
- Adding designer rights so he/ she can upload their design without having admin rights.
- Integrate other payment gateways other than PayPal.



REFERENCES

- www.developer.apple.com
- www.wikipedia.com
- www.w3schools.com
- www.stackoverflow.com
- www.forums.sun.com
- Software Engineering by Rajib Mall
- Apple's documentation for Objective C and iOS programming.
- Head First iPhone development.



THANK YOU

- Questions ??

