

TEAM C

PostCardBuddy

System Requirements

Authors of this document:

Emma Albertz
Caroline Brandberg
Linnéa Claesson
Billy Johansson
Johan Ju
Jacob Mejvik
Carl Rynegardh

Contents

1	System Requirements	1
1.1	Goal	1
1.2	Domain	1
1.3	Product	1
1.4	Design	1
1.5	Data Requirements	2
1.6	Function Requirements	2
1.7	Quality Requirements	2
2	Specification Techniques	2
2.1	Context Diagrams	2
2.2	Features	2
2.3	Virtual Windows	2
2.4	Task Descriptions	2
3	Release Plan	2

1 System Requirements

1.1 Goal

The product aims to increase the amount of postcards sent and will achieve this through the following goals:

- Simplify the process of sending postcards
- Enable user to send personalized postcards
- It shall be possible to generate revenue through the system

1.2 Domain

1.2.1 Supported systems

Req 1.2.1.1 The system shall support iOS.

Req 1.2.1.2 The system shall support Android.

Req 1.2.1.3 The system shall support a mobile payment solution.

1.2.2 Interfaces

Req 1.2.2.1 The interface connecting PostcardBuddy and the printed postcards is an of the shelf printer.

Req 1.2.2.2 The system sends image files to a printer.

Req 1.2.2.3

1.3 Product

Req 1.3.1.1 Success notification The user should be notified when an order is sent from a device.

Req 1.3.1.2 Fail notification The user should be notified when an order fails to be sent from a device.

Req 1.3.1.3 No internet If the user places an order on a device that is not connected to the internet, the order should be stored and sent the next time the device receives internet connection.

1.4 Design

Req 1.4.1.1 Front page The front of the postcard should be a single field containing an image.

Req 1.4.1.2 Text field The back of the postcard should contain a text field.

Req 1.4.1.3 Address field The back of the postcard should contain an address field.

Req 1.4.1.4 Postage field The back of the postcard should contain a postage field.

Req 1.4.1.5 Postage print The postage should be printed in the top right corner on the back of the postcard.

1.5 Data Requirements

1.6 Function Requirements

1.7 Quality Requirements

1.7.1 Performance

Req 1.7.1.1 Memory usage The application shall adjust its memory usage depending on the device.

Req 1.7.1.2 Speed The user interface shall be smooth on devices faster than Nexus 5 / iPhone 5.

Req 1.7.1.3 Picture quality The camera shall be able to take a picture in the highest hardware supported resolution.

Req 1.7.1.4 Autofocus The camera shall have a autofocus that is comparable to the Android / iOS stock camera.

1.7.2 Availability

1.7.3 Security

Req 1.7.3.1 Store cards The photos shall be stored encrypted

Req 1.7.3.2 Sending card The photos shall be sent encrypted to back-end.

1.7.4 Maintainability/Portability

Req 1.7.4.1 Language The application shall be developed in non native language e.g. Java for Android.

Req 1.7.4.2 Device support The application shall work on devices with newer operating systems than Android 4.1 / iOS 7.0.1

1.7.5 Usability

Req 1.7.5.1 User friendly 9 out of 10 users should be able to use the system after a five minute instruction.

2 Specification Techniques

2.1 Context Diagrams

2.2 Features

2.3 Virtual Windows

2.4 Task Descriptions

3 Release Plan