

TEAM C

PostCardBuddy

System Requirements

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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

1.3 Product

1.4 Design

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

2 Specification Techniques

2.1 Context Diagrams

2.2 Features

2.3 Virtual Windows

2.4 Task Descriptions

3 Release Plan