

Assignment 2
Image Processing
Software Requirement Specification

Version 1.0

Revision History

Date	Version	Description	Author
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1 Overview

This document specifies the functional, non-functional, and deliverable requirements for the image processing mobile application assignment.

2 Scope

This assignment presents you with the challenge of developing a software application capable of taking, editing, and storing images and textual comments on your mobile device.

3 Functional Requirements

The following functional requirements must be implemented to complete the assignment.

3.1 Take photos with a mobile device

The user must be able to take photos using a smart phone or tablet of your choosing. Your application must support multiple photos and a way to navigate between them.

3.2 Sketch overlays on the photos

The user must be able to sketch overlays by dragging his finger on the screen (finger painting) on the photos taken by the device.

3.3 Add textual comments to the photos

The user must be able to input textual comments and have them embedded (displayed) in the photos at the location touched by the user on the mobile device.

4 Use Case View

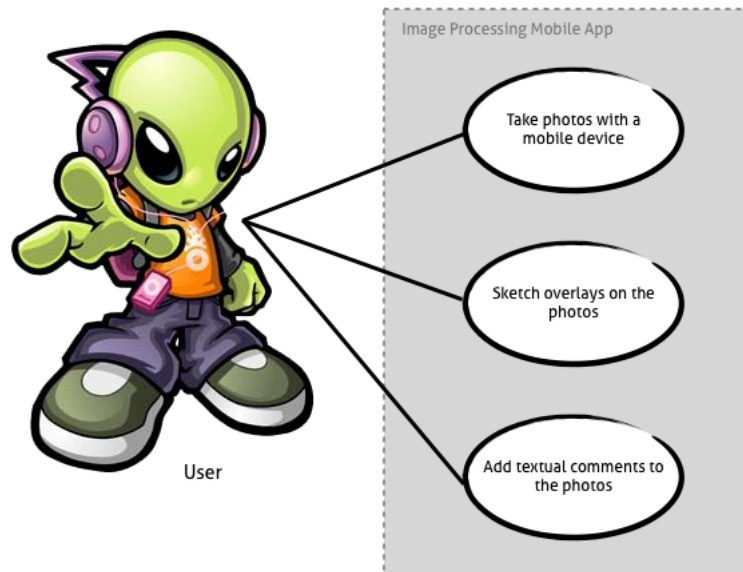


Figure 1: Use case view of the functional requirements for this assignment.

5 Non-Functional Requirements

The following non-functional requirements must be implemented to complete the assignment.

5.1 Mobile Application

The Image Processing software application must be implemented on a mobile device of your choosing.

5.2 Language

The Image Processing software application must be coded using an appropriate language depending on your native device.

6 Deliverable Requirements

6.1 Source Code

Your source code must be submitted for this assignment.

6.2 Report

A document providing a summary of your implementation effort is required. It must include:

- A paragraph for each functional requirement in the use case diagram identifying your effort to implement each requirement.
- Supporting evidence of your effort to impliment each functional requirement.