

Table 1: Revision History

Date	Developer(s)	Change
2016-09-28	Elton Schiott	Created LaTeX file, and edited text for clarity.
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SE 3XA3: Problem Statement

Q-aRt Code

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1 Problem Case

The following project will focus on redeveloping a python based QR encoder by enhancing and expanding certain features of the program. The plan is to add a user-friendly interface (GUI) as well as update the algorithm to handle jpg, png and gif files with greater ease.

2 Stakeholders

The stakeholders for this project are business and marketing firms that will use QR codes to advertise their products and services. Another group of stakeholders is future developers who will use and modify the application.

3 Use Cases

The QR code can be utilized as a marketing tool for major companies by attracting users to webpages using artistic and unique Q-aRt generated images. It can also be used by organizations for fundraising and awareness purposes. It is a unique way to promote a business, product, or event, and unlike the traditional black and white QR code, this method will increase popularity due to its attractive visuals.