

# ADID

## Design Document



Contact sharing made simple

### System implementation methodology

The system implementation technology utilised is a combination of "*V development*" and "*incremental development*".

*Agile development* has been used in the past, in order to get to market quickly.

From there on, a combination of incremental with the *V development methodology* has been adopted, as to ensure quality, which is often suffering under methodologies's quick nature. The *V methodology* is rather reflective of modern software design engineering, aligning with a in strength having risen trend called '*atomic design*', in which components are used to emerge to higher-order components to create whole designs.

### Innovation techniques

Pointification techniques will be implemented to reward users for making use of the app. Computer vision enabling new encoding techniques and corporate integration pose great opportunities.

### Technology development plan

The proprietary QR 'connect code' encoding protocol used for representing contact information to be scanned and interpreted successfully by every iPhone is *adid*'s most valuable technological asset. The further development of this asset includes the bottom up creation of an AI; including training and testing of a machine learning neural network. These efforts will be utilised for a computer vision detection system to eventually replace qr codes with any low-level representation.

### Non-functional requirements

The app should be intuitive to use, achieved through mimicking the operating system's native style, thus complying with apple's IOS standard *human interface guidelines*.

A constant presence of *depth* has been integrated to *leviate* the most essential component of the user interface and easen the user's journeys to specific actions & goals.

Adid's valuation of detail resulted in features like dark-mode, to automatically changing light/dark-mode to different haptic feedback generators for successfully and failed operations. This attention to detail was only granted after main functionality has been completed following the agile methodology.

### Functional requirements

The main functionality that *adid* requires, revolves around creating specially encrypted QR codes. These '*connect codes*' contain all to be shared contact details and make the QR creation integral. The proprieritarily developed encryption protocol provides the app with many benefits such as offline capability from bottom-up.

As *adid* shall not be a **data-mining, off privacy benefitting** project. This requires the app to work *offline*, an *outstanding* achievement and proud feature.

Another differentiating aspect that *adid* incorporated, is, that the other person, wanting to scan the connect code and thus acquiring contact details, is **NOT** required to have the app installed.



"Sharing contact information has never been simpler."

"It literally takes less than five seconds"

"It's so convenient"

Adid is an app that aims at being extraordinarily user friendly. Fact of the matter is, that there has been no modern and broadly accepted system in place before *adid*. The immense focus on detail regarding user interface design, with major influences from apple's own apps, makes *adid* easy to use to any first-time-user. The metaphors of depth in synergy with the native, very intuitive feeling engineered, interaction options for the UI, create an immersive atmosphere that lets the user take control naturally with ease.