# COMP 4350 Proposal Team Redbull

## Project Summary

# E-Card is a mobile application designed to share career profiles without the need of business cards. Customers can view digital profiles created by contractors or employees with E-Card.

Core features

* Account Creation
* Profile Customization
* Profile Sharing / Viewing
* Profile Rating
* *Optional*: Social media page with blog posts (Time permitting)

## Vision and Technologies

# E-Card is a mobile application designed to share career profiles without the need of business cards. Business cards cost companies time and money from designing their cards uniquely to production of a physical copy. With E-Card, an employee or contractor links their profile to a customer, and the customer can view their profile at any time without the need to maintain a physical copy. E-Card saves companies money by preventing the need of printing supplies, and eases the time of a customer by organizing profiles within the application.

# C:\Users\Connor\Desktop\Courses\COMP 4350 - Software Engineering 2\Figure 1.png

As discussed under earlier, E-Card contains the steps of creating and sharing profiles. The application stores profiles on the online database *FireBase* through an API. The API is designed to manage all reads and writes between the database (Fig 1). The purpose of the API is to keep E-Card as flexible as possible, such that if we were to develop a web application, both the web application and mobile application can manage the database through the API in the same way, without the need of messy platform dependant management.

Once a profile is saved or loaded from the database, the user will see their profile from the main screen along with a unique QR code that links other users to their profile; along with the capability of customizing the profiles information. A user may additionally scan a QR code or view other previously scanned profiles. The process of scanning a QR code is managed by the devices camera, where one individual ideally the contractor or employee, shows the second individual their QR code, the second individual then scans the contractor or employees QR code with their camera. The individual scanning the QR code can then view the profile at any time, which includes contact information such as a business email or phone number.

## User Stories

* As a user, I need to be able to set up an account.
* As a Contractor or Employee, I need to be able to customize my profile so that I can share this information with ease.
* As a Customer, I need to view profiles so I can contact them in the future.
* As a Customer, I want to be able to rate profiles so I can review others and share my experience with a contractor or employee.
* *Optional*: As a user, I want to be able to communicate with other users of the application and Contractors or Employees via blog posts.

**Mark /2.5**