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| I-494 |
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**SquaredUp**

**School of Informatics, Computing, and Engineering**

Capstone Project Abstract

Class of 2018

**SquaredUp Abstract**

**Introduction:**

*SquaredUp* is an iOS mobile payment application that expands and incorporates new features that are not currently prevalent among popular mobile payment applications. The technical side of this project was all completed on xCode. Our project allows users to link their PayPal accounts and use *SquaredUp* as an intermediary payment system. By introducing group payments and an organized transaction history, this platform holds value in the rapidly expanding mobile payment marketplace.

**Our Inspiration and Goals:**

In the beginning stages of this process, our team became fixated on innovation within the mobile payment industry. The problem we were looking to solve was the inability to pay groups of people on a centrally visible page, accessible by all group members. For this platform envision an apartment with three occupants. They could each add themselves to a group called “Apartment X”. When one occupant pays for a group expense, they can send payment requests to the other two members of the group. This will allow all three occupants to settle debts and track expenses on one central page. Popular payment applications have yet to implement this feature on their mobile platforms. As creators, it is our team’s hope that we have found a niche in the mobile payment marketplace with *SquaredUp*.

**Design and Usage:**

Our team is confident that our users will enjoy our easy to navigate screens. After launching the application, a user will be prompted to either login or register for a new account. Next, a user will be prompted with either sending or requesting a payment, going to their profile page, or going to our main menu. The main menu allows users to navigate to features such as their groups, payment history, contacts list, or camera. All our pages have back and home buttons, which simplifies navigating to any page. The design of *SquaredUp* was put together with consistent color flows and hand-picked fonts. We incorporated these colors and fonts into all pages of the application and the logo.

**Core Features / High Priorities:**

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| * Directive Homepage | * Registration and Log in Capability |
| * Making Groups | * Sending Payments |
| * News Feed | * Database to Store Information |

**Payment Method:**

*SquaredUp* incorporates *PayPal* and credit/debit cards to pay other users. When a user clicks the “Send Payment” button, they are automatically redirected to a screen that will prompt them to either login to PayPal or enter their credit card information. While we do not store any personal banking information, for security reasons, we do record your payment history in our database.

**Final Product Overview:**

*SquaredUp* is a peer-to-peer mobile payment application that addresses issue that occur when users need to split payments. The application keeps organized records of payments, lets users to add friends from their contact list into a group, gives access to a camera and pictures to insert, and allows users to verify the amount of money they are owed in order to settle a debt. Once the debt amount is verified, it can be settled through a payment with a credit/debit card or PayPal. *SquaredUp* combines the benefits having a peer-to-peer payment platform alongside a mobile bookkeeping tool, which leads to a convenient user experience. This much-needed technology will add to a rapidly growing industry.