### INF 551 Project Midterm Report

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1. **Introduction**

Our idea is developing an Android application called *diSCover*. It is designed for USC community includes students, faculty, and alumni, to recommend good resources in USC campus and share their extraordinary experiences to each other. Students can post photos, pictures and write several comments to describe the item, and other students can ask question and chat with the author through the app.

1. **Realized Functions**
   1. **Log In**
   2. **Create Account**
   3. **Post Contents**

Each piece of recommendation may contain one of or both several pictures and text description. And author is required to indicate the location information at the same time.

* 1. **Recommendations**

Posted by USC users. When posting the content, user must choose the label of category. In total, we have four categories such as Food, Activities, Study Places, and Parking Lot.

1. **Data Storage**
   1. **Storage**

* 1. **Database**
  2. **User Interface**

We will use Java to develop an Android app, and may choose API in level 16 which is able to accommodate most equipment.

1. **Challenges**
2. D
3. D
4. D
5. **Future Work**
   1. **Chatting Function**

By connecting chatting function with firebase, diSCover can collect real time data from users. After collecting data, it can analyze data and extract meaningful information in real time.

This function plays an important role in recommending information in which each user is interested in real time.

* 1. **Google Map API(Optional)**

1. **Team Information**
   1. **Responsibility**
   2. **Timeline**

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| **~~Design the project~~** | **09.15.2017** |
| **~~Implement the basic app structure~~** | **09.29.2017** |
| **~~Implement post function~~** | **10.13.2017** |
| **~~Connect the app with firebase~~** | **10.20.2017** |
| **~~Release the demo version~~** | **10.27.2017** |
| **Implement chat function** | **11.03.2017** |
| **Implement map function** | **11.10.2017** |
| **UI Design** | **11.17.2017** |
| **Release the app, named diSCover** | **11.27.2017** |

**Time table**

Our team has four future works. The first one is to implement chat function and connect this function with firebase. And second one is to make map function. Last one is about UI Design.