



PROJECT PLAN  
SEMESTER TWO

*Breaking down barriers between carriers*

## Abstract

In the 21st Century, more than 3.3 billion mobile telephone subscriptions exist throughout the world -- equal to half of the global population. While it goes without saying that a large portion of these numbers belong to the same person or company, the statistic is still significant enough to warrant a means of intercommunication between devices, regardless of the provider.

That is why our team is proposing a non-biased inter-provider mobile application to quickly communicate and locate friends in a secure, sociable manner. Users will have the ability to add buddies and transmit information between each other through a central server, providing a controllable means of securing that data.

## Motivation

How many times have you run into a friend and through conversation realized that you had been in the same place at the same time, but managed to not cross paths? It's happened to us more than once. Imagine being able to receive alerts on your mobile phone when friends are in the area, being able to send or request an exact location to meet, and being able to hook up with an old buddy without the headache of planning. This technology would enable you to stay in touch with more people in the most convenient way possible.

## Project Goals

While a few providers already offer a similar service, none of them are free, let alone independent of the originating brand. Boost Mobile users can only do this between each other on stock phones. Apple subscribers have iPhone programs that can email friends their GPS location via Google Maps, but not alert preset buddies when they're within a set distance.

Our project aims to conjoin all these abilities together under the same roof regardless of carrier. Currently, The Pink Tacos aim to develop the proof of concept on the Windows Mobile platform with plans to expand to other environments (J2ME, iPhone, etc) in the near future.

## Features

- Cross-carrier communication through centralized server
- Privacy settings, allowing users to create distinct privileged groups (always visible, request, etc)
- Secure transmission of data, be it via Wi-Fi connection, 3G, EDGE, etc
- Easily expandable and portable to various platforms (J2ME, iPhone, etc)

- Direct dialing or SMS on contact
- Buddy Tracking (focused on privacy)

## Design Documentation

Please see attached pages as they contain the current design of the project.

## Progress Summary

Module/Feature	Completion %	To-do
Client Application	35%	Finalize GUI, implement specific client-side functions
Server Application	60%	Expand upon existing database management, implement specific server-side functions
Website	70%	Complete design, ensure security, implement specific website functions

## Project Milestones

### Milestone 1

Implement core features (refer to Design Document and reference high-priority items)

### Milestone 2

Implement secondary, non-critical features and test and design poster

### Milestone 3

Complete testing, create product manual, and finish presentation video

## Task Matrix for Milestone 1

Task	Ernie	Mike	Lindsay	Erik	Devin
Client Backend	0%	100%	0%	0%	0%
Client GUI	0%	0%	0%	0%	100%
Server Application	0%	0%	0%	100%	0%
Website	100%	0%	0%	0%	0%
Documentation	0%	0%	100%	0%	0%

## Approval from Faculty Sponsor

I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones.

X

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Dr. Richard Ford  
Faculty Sponsor

# mEYEtrak Schema

2008.09.27



