Project Specification

Team Name: The Leftovers

Team Members: Michael Ginn, Tim Horner, Tinh Lam, Viet Le, Joseph Adirzone, Christopher Curreri, Abigail Palen.

Project Name: Marco Polo (Tracking App)

Project Summary: We will create an Android application game that allows users to track one another using pinpoint GPS. The game will be some variation of "Hide and Seek" or "Marco Polo" where there is one designated seeker. In the game the seeker need to finds one or more people hiding. The seeker will use the pinpoint GPS tracking to their advantage to see the area where the other players are hiding. The area of play will be predetermined by the players and can be as large or small as they choose. Every minute or so the screen will allow the seeker to hit a button and reveal the location of the players hiding. (It may be that the players can also choose the time limit that must be reached before the GPS can show the other players' locations.) In turn the players are informed that their location has been revealed so they can hide again. When the seeker tags another player the seeker's status is changed to a player and the player tagged becomes the new seeker. (There may be a 'Tag' button that the seeker can push once they get within a certain amount of feet from a player hiding). There is no way the game will end, because someone will always be a seeker. The only way to incorporate a final winner would be to include a scoreboard where for each round: if a player is not found they get a point for that round, if they are found it is minus one point for that round, and if they find someone they get a point for that round.(Or some variation of this point tracking system).

Project Goals: Our main goal for this project is to collaborate with our team members and create a fully functioning tracking app with a unique game design.

Product Features: Our app will include pinpoint GPS tracking of other users that have the application. The main feature will be a game that uses this GPS tracking to find users to achieve a goal and win. It will be similar to games like "Marco Polo" where the GPS gives hints to where another player is hiding. There will be a timing system between showing the location of other players. The product will allow at least 2 people to play and the max number of players is to be determined. There may be several game modes included if time allows. All game modes will utilize the GPS tracking system. There may also be a point tracking system that determines the overall winner of the game.

Any Limitations: The reliability of the tracking application depends on the how accurate the Android GPS can be.