

Proposal

App Name: Converge

Team member:

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Background:

When people plan to hang out together and specify meeting time and location, some people might wait for others without aware of their real arriving time. If we can develop an app that shares everyone's position and estimated arrival, it would reduce redundant waiting time and notify more people to arrive in time.

Functionality:

Locate the real-time position of every person and mark it on the map.

Display the path from current position to the destination on all people's devices.

Set the meet time in advance and calculate the remaining time if meeting point is approaching.

Notify users when necessary if the calculation result shows that the user would be late

At last when everyone converge to the destination, share the late arrival achievement.

Technology support:

Google Map API: get real-time position, path, speed.

AWS EC2: implement the web services part that can push the message to devices.

HTML5: complete the UI interface.

TimeLine:

First week: Complete a simple UI interface;

Second week: Deploy client-server interaction on AWS.

Third week: Add the Google map function

Fourth week: Connect them and run.

The second half semester: keep implementing the remains part and refine the app.