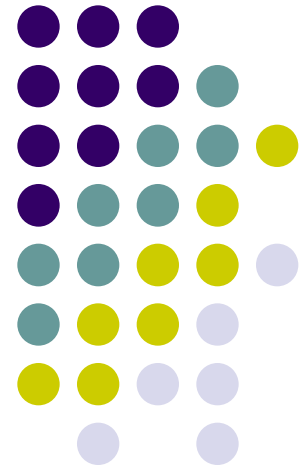# Ubiquitous and Mobile Computing
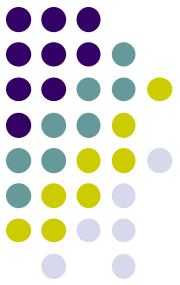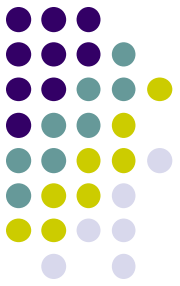# CS 4518: ExploreGreaterWPI

Gina Gonzalez-Roundey

Obatola Seward-Evans

Nata Vacheishvili

Computer Science Dept.
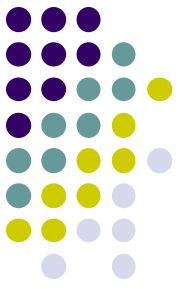
Worcester Polytechnic Institute (WPI)
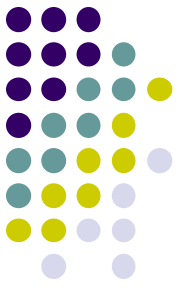
How much of the WPI area did you know Freshman year?

How many days did it take you to explore off campus?

The Problem

Students who spend most of their time on campus...

- Do not contribute to city culture.
- Do not have a clear sense of the city their school resides in.
- Do not appreciate their surroundings.
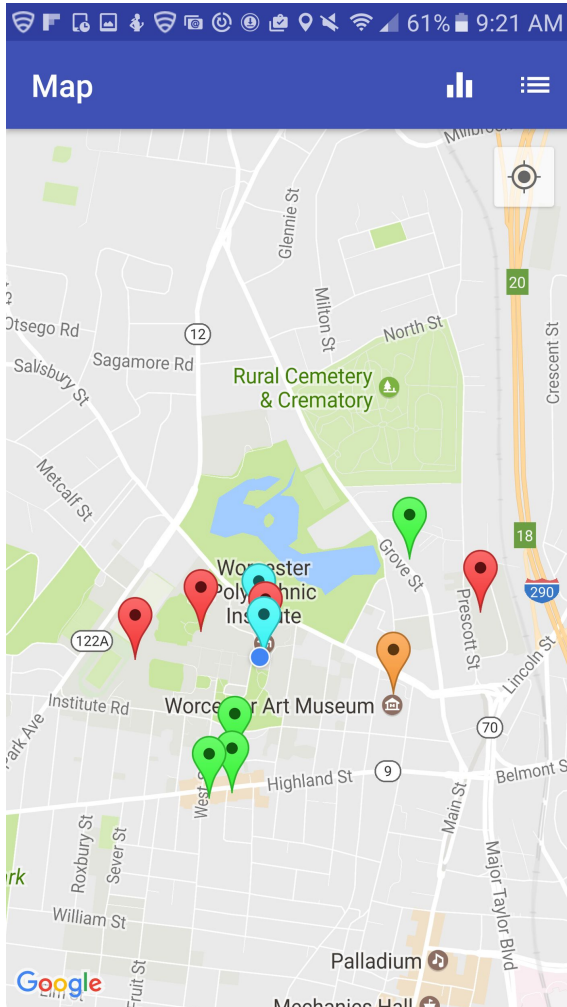
ExploreGreaterWPI

Application will be a way for students to explore the greater WPI area.

- Used by students who want to leave campus but don't know where to go.
- Used by Insight groups.
- Used by freshman to find food and entertainment.
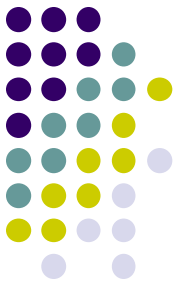- Used by new professors
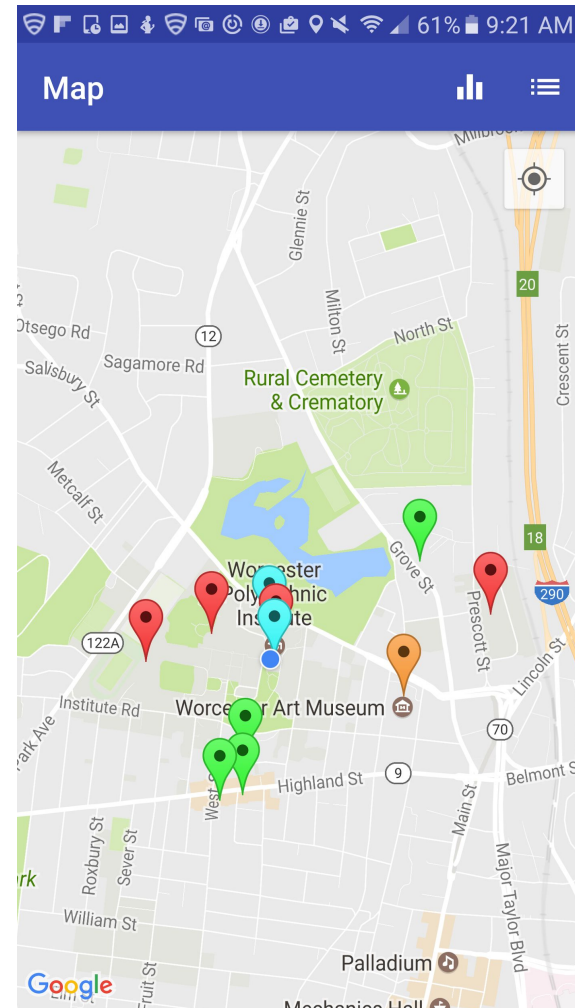
See All Locations

- Main Activity of Application
- Displays all location and User's current location
- View Markers by location theme
  - WPI Facilities: RED
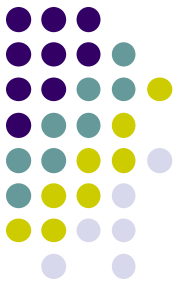 - Culture: ORANGE
  - Food: GREEN
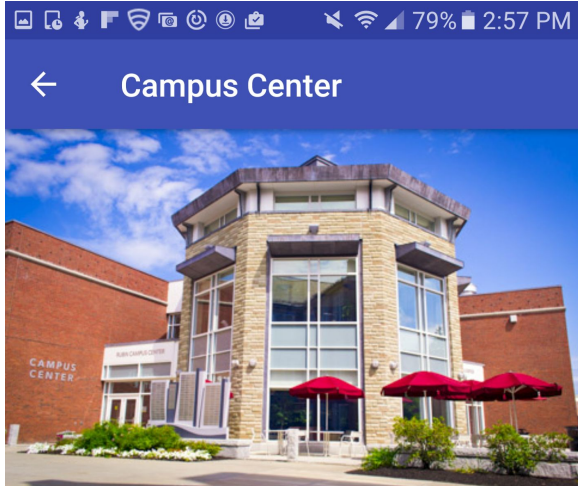 - Visited: CYAN

Summarize Locations

- View Locations by name

- See distance from user to location

- View Locations that have been visited already

Get Location Information

- If Location has phone number allow user call

- User can get directions to location from Google Maps

- User can Visit website relating to the location

Locations for everybody
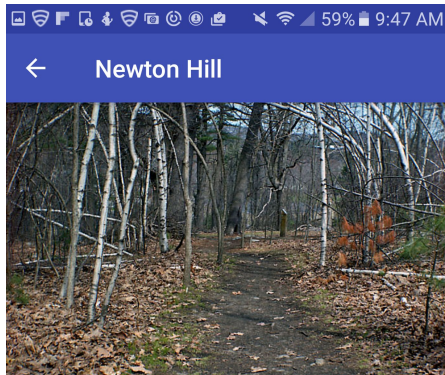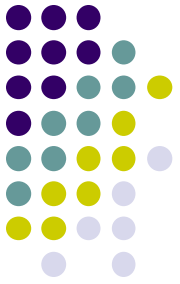
Newton Hill

Newton Hill
Culture - 0.8 mi

PHONE | DIRECTIONS | WEBSITE

The Newton Hill portion of Elm Park (west of Park Avenue) remains minimally landscaped and contains basketball and tennis courts, walking trails and also Doherty Memorial High School, a high school within the Worcester Public Schools system.

The Fix

The Fix
Food - 0.3 mi

PHONE | DIRECTIONS | WEBSITE

Modern setting for custom burgers served with craft beers, unique cocktails & spiked milkshakes.

Worcester Art Museum

Worcester Art Museum
Culture - 0.2 mi
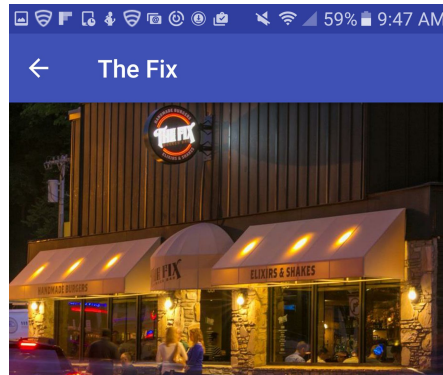
PHONE | DIRECTIONS | WEBSITE

The Worcester Art Museum, also known by its acronym WAM, houses over 35,000 works of art dating from antiquity to the present day, representing cultures from all over the world.
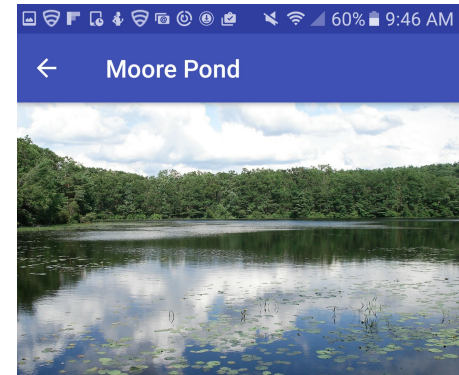
Moore Pond

Moore Pond
Culture - 8.2 mi

PHONE | DIRECTIONS | WEBSITE

Moore State Park is a 737-acre public recreation area located in the town of Paxton, Massachusetts, portions of which were listed on the National Register of Historic Places as the Moore State Park Historic District in 2004.
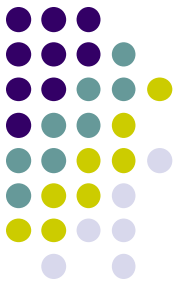
Insight Group Scavenger Hunt

- Incorporate ExploreGreaterWPI with Freshman CA groups

- Each group gets uses one phone with the app and goes to visit all of the locations in the area.

User Testing

- Interesting Locations
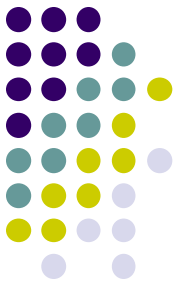- How far is too far for freshman?
- $10 radius using Uber?
- 20 minute walk radius?
- Wachusett Mountain?
- How many locations is too many?
- If we add to many nobody would visit all of them.

What are some places you like to visit in Worcester?

The Bean Counter
Moore Pond
Wooberry
Boynton Restaurant
The Fix
Blackstone Valley

NU Cafe
Grime
Oishi
Escape the Room
Ms Worcester
Green Hill Park

The Castle
Bagel Time
Antonios Pizza
Rumors
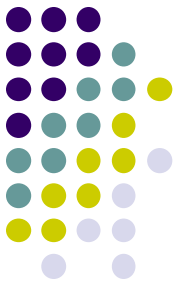Rice Violet

Future Goals

- External database populated with locations (Firebase)
- Put app on iPhone and Android
- Get app/game into CA group activities
- Expand gamification feature
- Campus Leaderboard
- Allow expansion into other campuses
- Create a suite of explore(college name) apps

Thank you