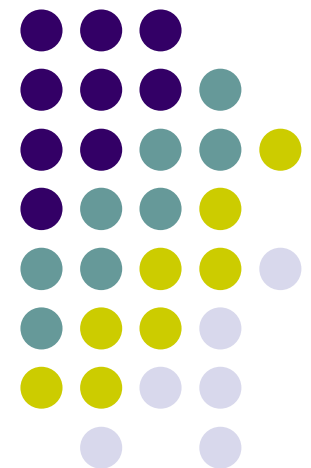# Ubiquitous and Mobile Computing
CS 403x: *Now @ WPI*

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Our Goal

- To provide an easy and effective way for WPI students to browse and check into study spaces
  - Save students time and allow them to be more productive
- To help students use their time to study by informing them of campus events
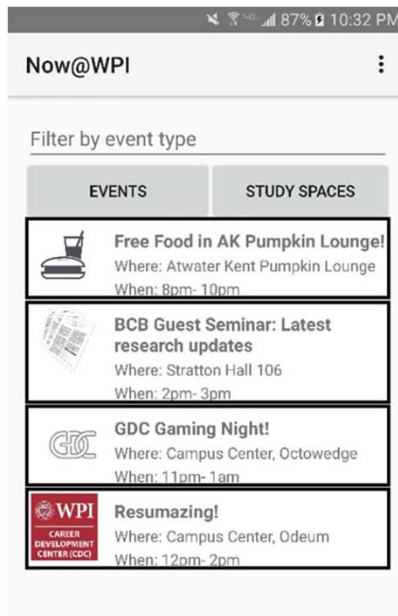
Our Vision

- Search for study spaces on campus
  - Filtering by building or availability
  - Color-coded room status
- Checking into a study space
  - Uses GPS to ensure correct location
- Events feed
  - Allows students to plan study

sessions more effectively
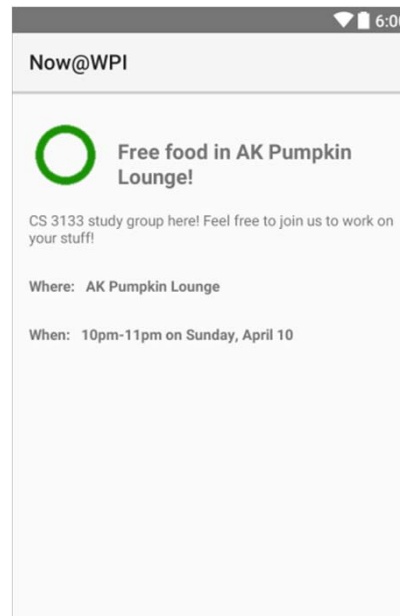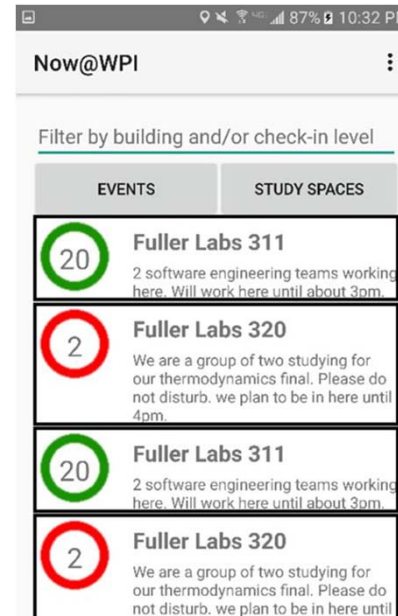
Methodology

- Four main activities:
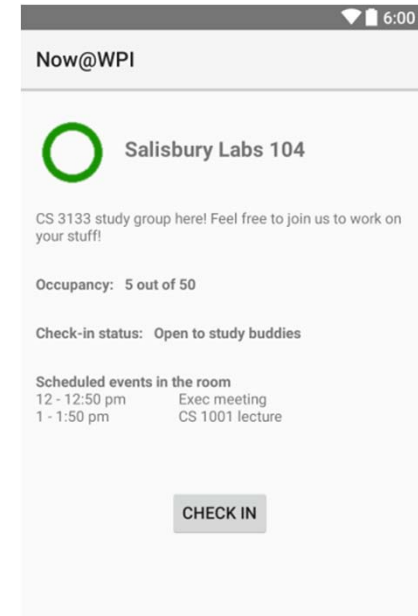

Events   Event Details   Study Spaces   Study Space Details

Implementation

- Details on events and study spaces stored in SQLite database
- LocationManager used to determine user's proximity to each room
- ListViews dynamically populated from the database entries

Results

- Working features:
  - Display list of events / study spaces
  - Sort spaces by GPS distance
  - GPS-based check in
- Evaluation
  - Interface is simple and intuitive
  - GPS is sufficiently accurate

References

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