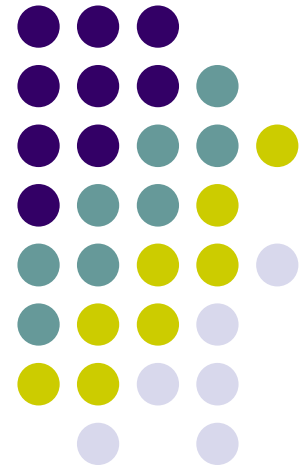


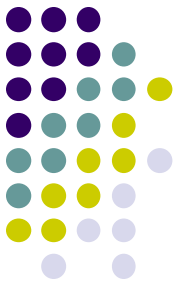
Ubiquitous and Mobile Computing

CS 4518: *Homework Huddle*

Nicolas Adami-Sampson, Sagar
Mahurkar, Seth Norton

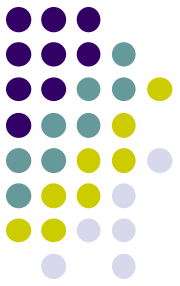
*Computer Science Dept.
Worcester Polytechnic Institute (WPI)*





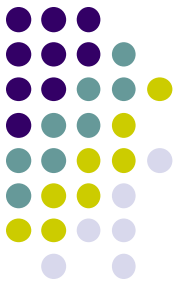
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Problem Introduction



“Finding help on projects and homework assignments outside of office hours and tutoring sessions can be difficult.”

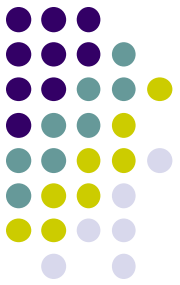
Motivation



 **100%** wanted more opportunities

 **80%** would be willing to share knowledge

Solution



Available

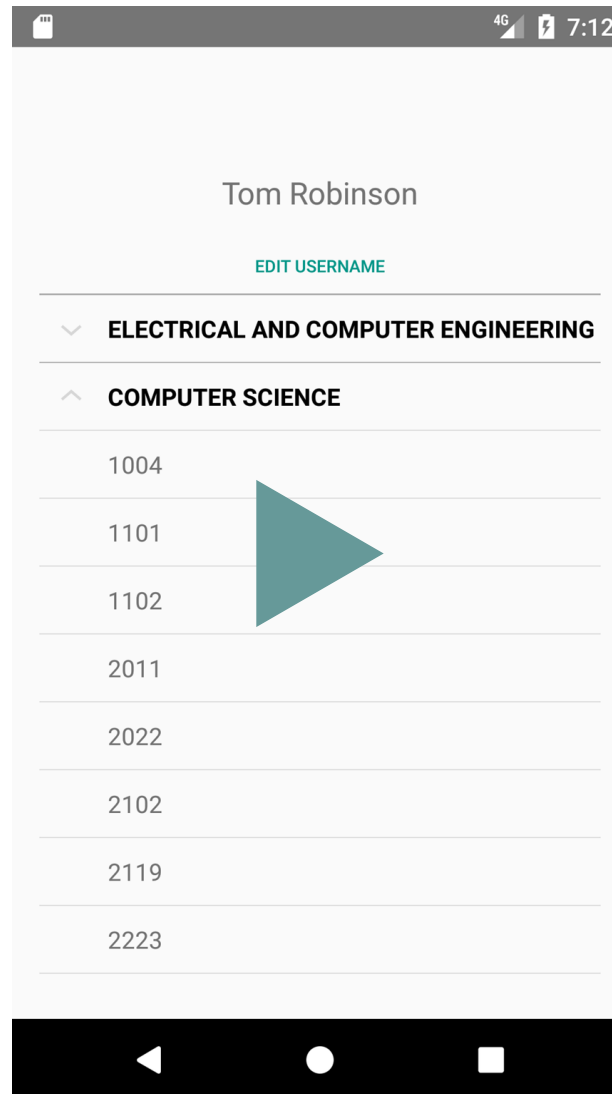
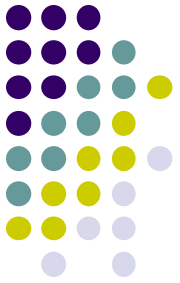


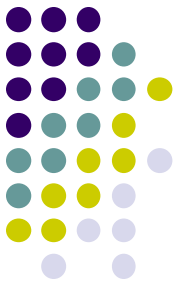
Peer-to-peer



Community

Methodology





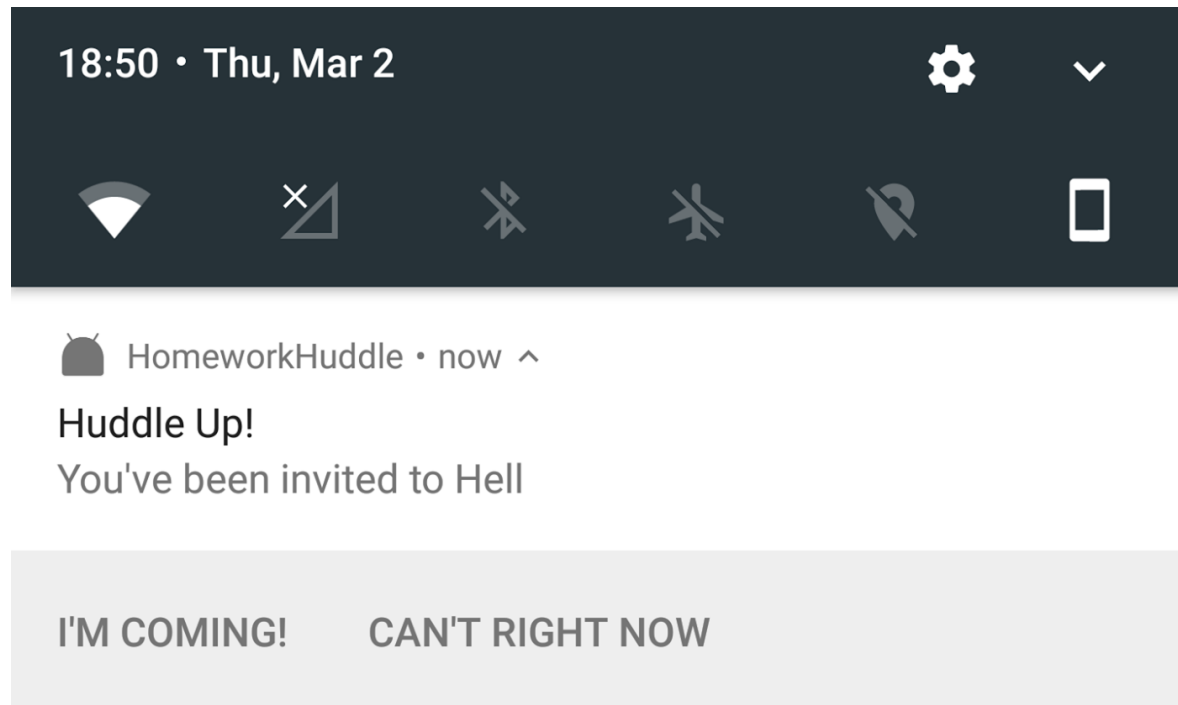
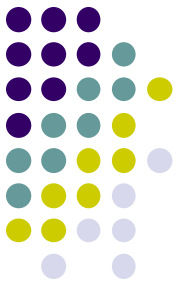
Implementation - Database

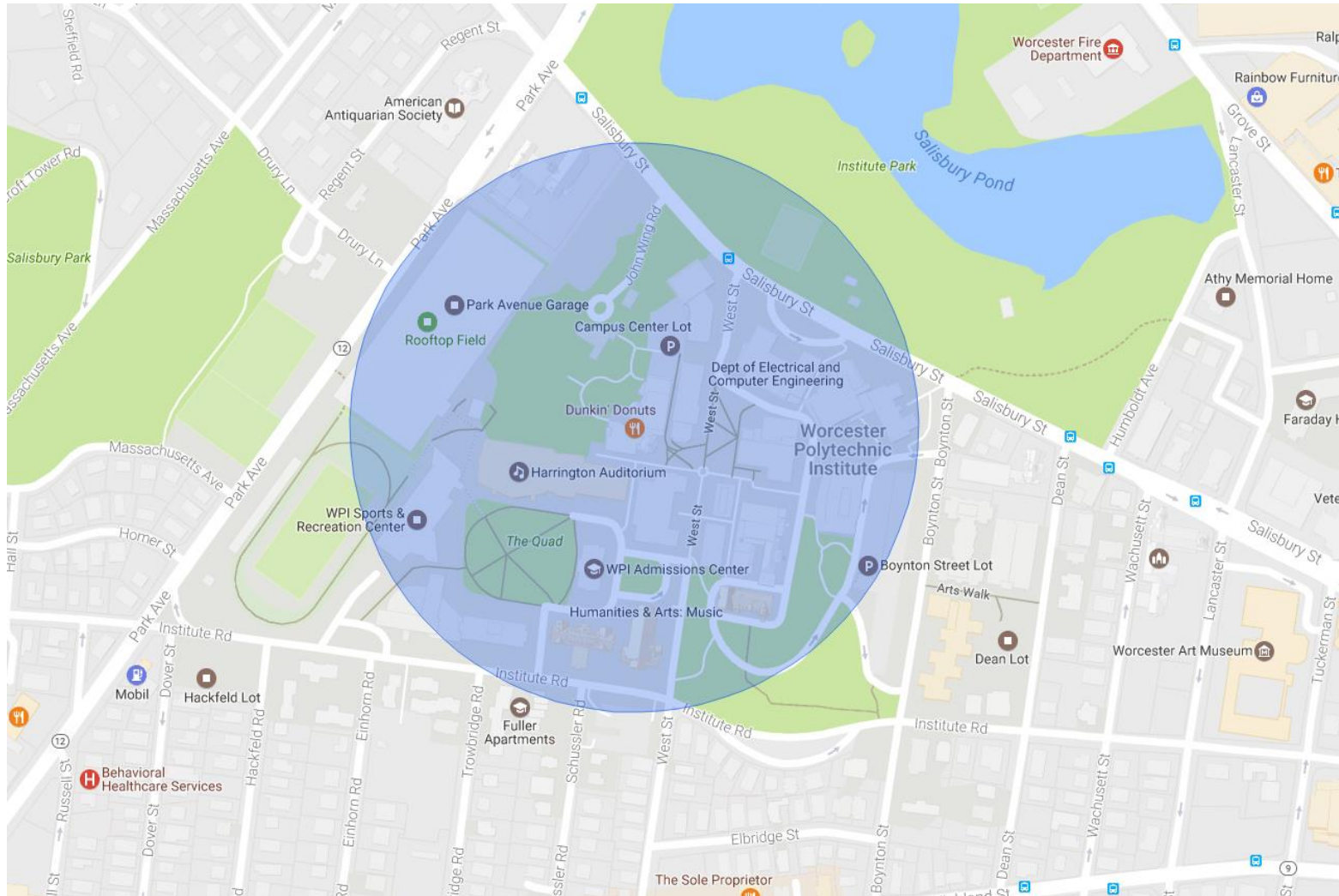


Firebase

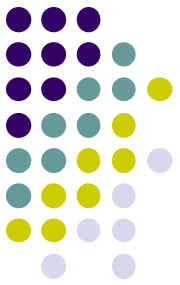
- JSON-based
- Realtime

Implementation - Notifications





Testing & Evaluations



7 Users



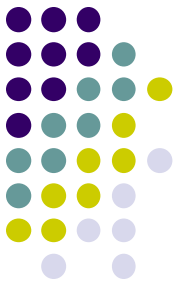
No Instruction



6/7

Main Concerns

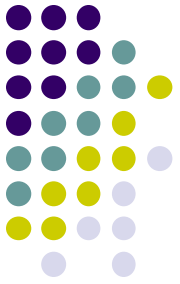
- Startup screen was confusing
- User Interface was lacking



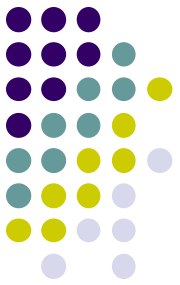
Future Work



- Informative startup screen
- Multi-User Huddles
- Show list of active huddles
- Google Calendar Integration
- User Ranking



Questions?



References

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