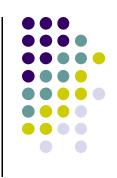
Ubiquitous and Mobile Computing CS 403x: *Urbanopoly - A Social Crowdsourcing Game*

Eric Faust, Jordan Feeley, Tyler Nickerson

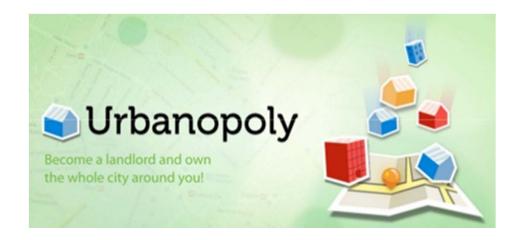
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 A Game with a Purpose (GWP) designed to conduct quality assurance on urban data (e.g. restaurant information) using the user's current location and social graph







- Ultimately intended to use Human Computation (crowdsourcing) to create a high quality dataset of urban data
 - Problem: Curated datasets are expensive, plus faulty information can hamper the usefulness of datasets
 - Solution: crowdsource data using an interactive, social monopoly-like mobile game

Methodology

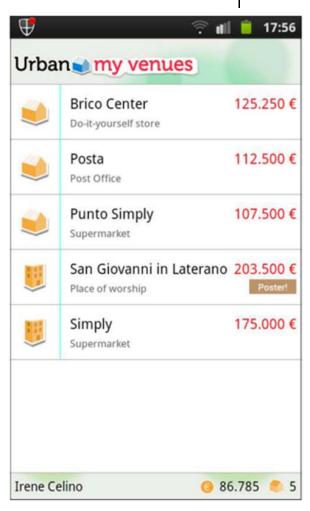


- Uses OpenStreetMap for map data
- Uses Facebook API for social sharing
- Achieves QA using:
 - Data collection
 - Data validation
 - Data ranking



- User is a landlord, whose aim is to create a "rich portfolio of venues"
 - Venues
 - Real places surrounding the user
 - Orange ones belong to the user, blue ones do not
 - All have monetary values
 - Budget
 - User uses money to buy venues







- Location
 - Type
 - Hours
 - Rating
 - Extra info (food served, smoking rules)





Gameplay

- Data Collection
 - Venue purchase
 - Users required to name venue and specify its type
 - Venue advertisement
 - Store owners can rank ads
 - Quizzes
 - Ask general questions about venue





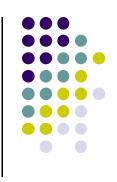








Similar Work



- While not specifically mentioned, similar apps exist:
 - Foursquare



Yelpyelp



Google Maps



- Urbanopoly differs by gathering data through a gaming platform
 - Other apps usually use surveys
 - Gathers more data types

Observations



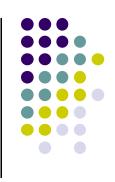
Likes

- Social aspect makes it more appealing
- Gaming aspect makes it very engaging for users;
 more "fun" than just surveys (e.g. Google Rewards)
- Leaderboard to compete against friends

Dislikes

- Paper is not very in-depth
- Only available in certain locations
- Possibly slow to start

Conclusions



- Available in the Milan and Lombardy
- Users spend an average 11 minutes ALP
- Potentially more accurate
- Focus on keeping players invested
- More useful data than competition



References

- Paper
 - http://planet-data.org/sites/default/files/publications/Celino-et-al Paper Urbanopoly-a-Social-and-Location-based-Game-with-a-Purpose-to-Crowdsource-your-Urban-Data.pdf
- Urbanopoly Screenshots < Data.pdf>
- Yelp Logo < http://s3-media2.fl.yelpcdn.com/assets/srv0/www-pages/95212dafe621/assets/img/brand_guidelines/yelp-2c.png>
- Foursquare Logo <http://www.websitemagazine.com/images/blog/foursquarenew.png>
- Google Maps Logo <https://www.seeklogo.net/wp-content/uploads/2015/09/new-google-maps-logo-vector-download.jpg>