Fairfax County 2019 Housing Hackathon Team: GMU-Geographers

Linked House Through Spatial Thinking



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Introduction





Capital Bikeshare Washington DC Bicycle Rental (https://commons.wikimedia.org/wiki/File:Capital_Bikeshare_Wa shington_DC_Bicycle_Rental_14326445924.jpg) https://www.google.com/search?q=airbnb&rl z=1C1GCEA_enUS813US813&source=Inm s&tbm=isch&sa=X&ved=0ahUKEwij89CTxY ngAhUGUt8KHaPkCoUQ_AUIDygC&biw=1 366&bih=577#imgrc=dFoDrPYdPJq8cM:

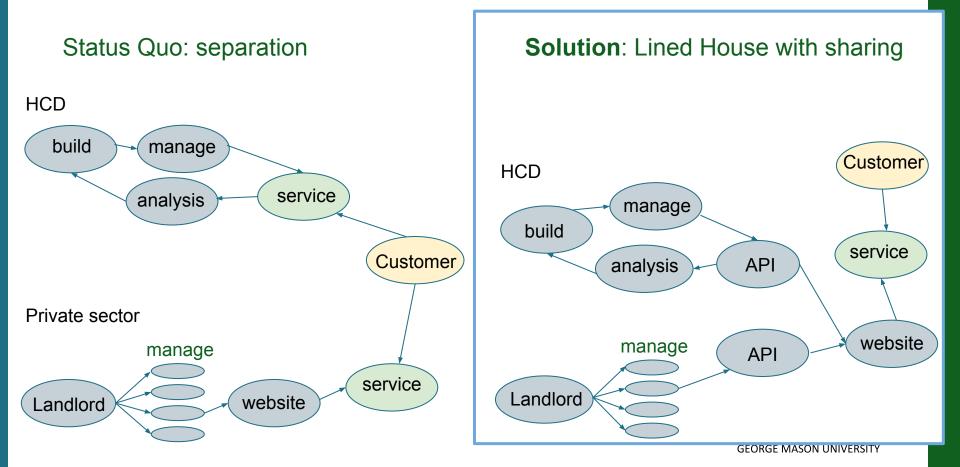
Link house with individuals

A sharing economy to create synergy between government and industry.



Government is about fairness, market is about efficiency. How can we combine the advantages of these two sides to get synergy?

Challenge and Solutions





VHDA Visitor Information





Global Rank 🕜



Rank in United States

526,572

Source: alexa.com

Linked house advantages:

Standardizing data with accessible API

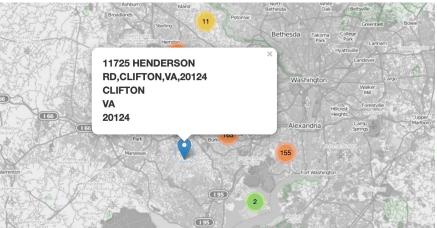
Volunteering mechanism to allow private landlords to contribute

Policy support from the government

Example

Google transit markup language to help create a huge boost of transit apps and websites markets.

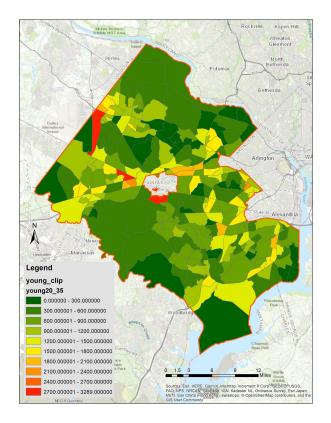


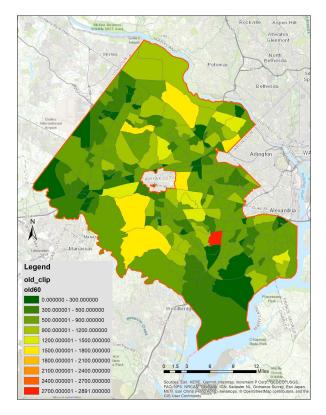




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Spatial Demographic Analysis: Choropleth Map for Young (20-35) and Old (60+)





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Future Work

- Add more functions in our application and help to match older adults and young people together
- Build a platform for landlords and renters to help them communicate conveniently (directly messages)
- Add transportation information (CUE bus stops and Metro stations) to our information platform

Thanks!

• <u>https://jsbin.com/yanekid/4/edit?html,j</u>s,output