Ran Zhou (rz69):

1. Searched and downloaded airbnb data, cleaned data and created new attributes, based on original data systematically using Python; created the tables corresponding to hosts information in sql, imported the sample data into database, tested and debugged the sample queries.
2. Created the home page, ‘home.html’; modified the model.py to connect to the database; connected the ‘renter.html’ with database using flask and sqlalchemy to implement the amenities filters in renter page.
3. Final: Modified the database and created new attributes for house table and business table in sql to connect airbnb data with yelp data; created new attributes for house in Python to connect airbnb data with crime data and reload them into sql; implemented preference filters in renter page based on the new created attributes.

Zhaoxi Zhang (zz115):

1. Searched, downloaded and cleaned yelp data, created tables corresponding to yelp data and import sample data into database; drew E/R diagram based on the whole datasets we have.
2. Created renter page, ’renter.html’ based on homepage template, ‘home.html’, created by Ran Zhou; implemented the house rule filters in renter page.
3. Final: Implemented interactive map windows; integrated interactive table and CSS file with existing templates from bootstrap; implemented address, date, price and room type filters in renter’s page; merged codes from other members into the final version code; tested and debugged the final web pages.

Jialei Guo (jg340):

1. Searched and downloaded airbnb data, cleaned data and created new attributes, based on original data using Python; created tables corresponding to hosts information in sql based on E/R model and wrote sample queries to show some filter results corresponding to our website.
2. Wrote models.py; connected host page, ‘host.html’, with database using flask and sqlalchemy based on the code for renters created by Ran Zhou; implemented amenities filters in host page and made the price change dynamically when choosing different amenities.
3. Final: Implemented all the other filters in host page based on code for renter page written by Ran Zhang and Zhaoxi Zhang; debugged and tested the host page.

Jiahui Wang (jw500):

1. Searched, downloaded and cleaned crime data; designed the web page and wrote an interactive Shiny App in R to display the design.
2. Implemented JavaScript in ‘host.html’ to display a dynamic histogram in host page.
3. Final: Optimized the map design and added the pins on map to make it interact with the database.

Yanlin Yu (yy157):

1. Searched, downloaded and cleaned yelp data, created table corresponding to yelp data; wrote sample queries to show some filter results corresponding to our website; integrated all the materials into the progress report.
2. Updated database; created host page, ’host.html’ based on homepage template, ‘home.html’, created by Ran Zhou and connected three web pages by html.
3. Final: Beautified the interfaces of the webpages to make them more readable, implemented the autocomplete function for the search engine.

Yiyi Ye (yy155):

1. Searched, downloaded and cleaned crime data; designed the website page and finished the description of the website; modified the E/R model and progress report.
2. Created test-production.sql based on test-sample.sql, and returned the test-production.out; wrote part of the project report.
3. Final: Optimized the web pages and the map design to make them more readable; modified the final report and inserted updated E/R diagram; prepared materials for final demo.