



# Duck Home 4 + 1 Architecture

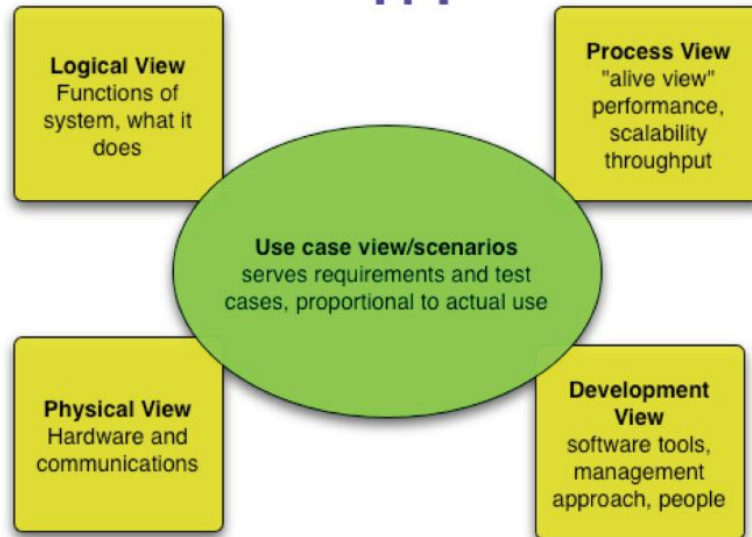
Apartment Finder Website

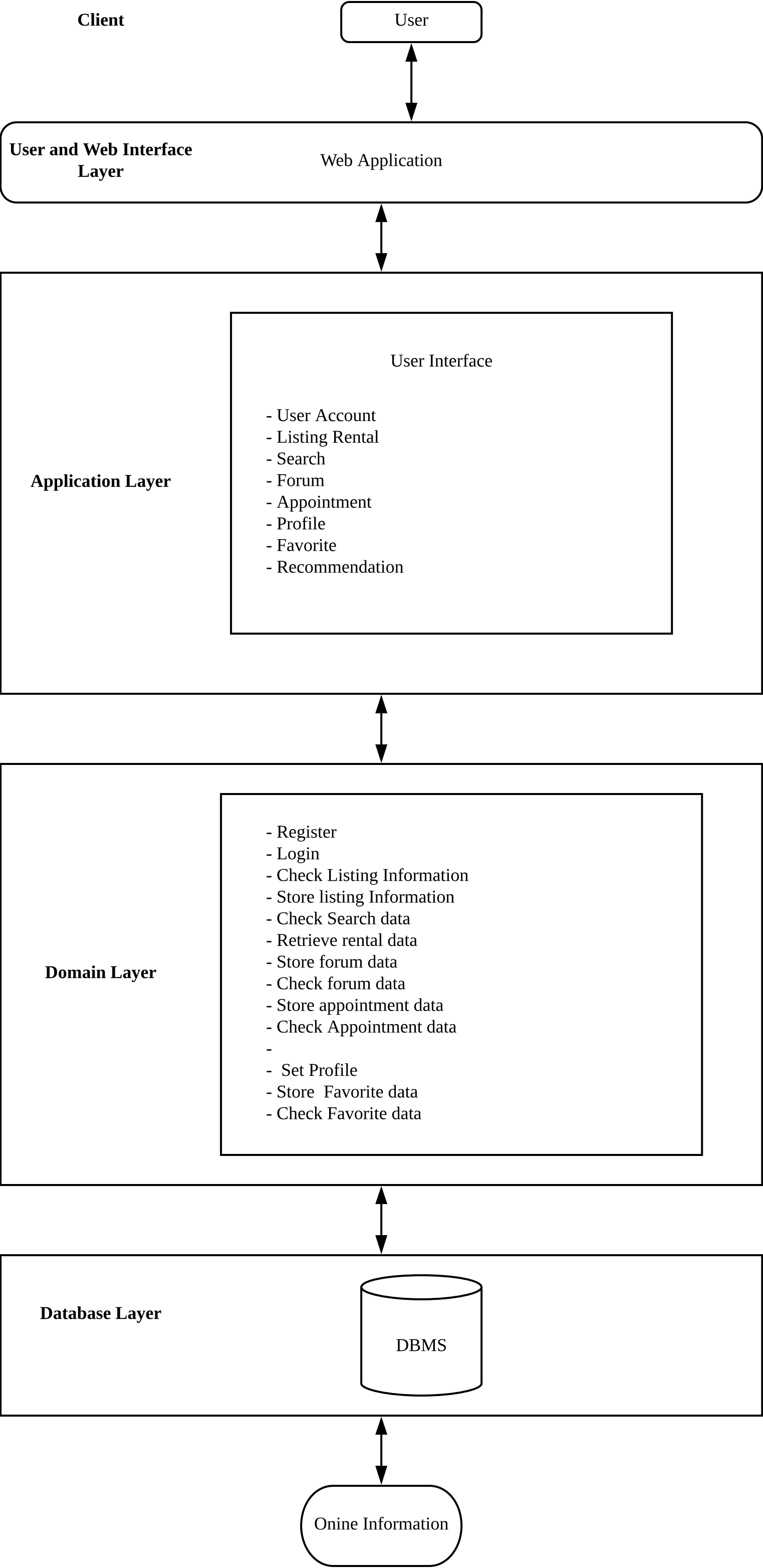
Jun Zhe  
Ziang Lin  
Pan Chen

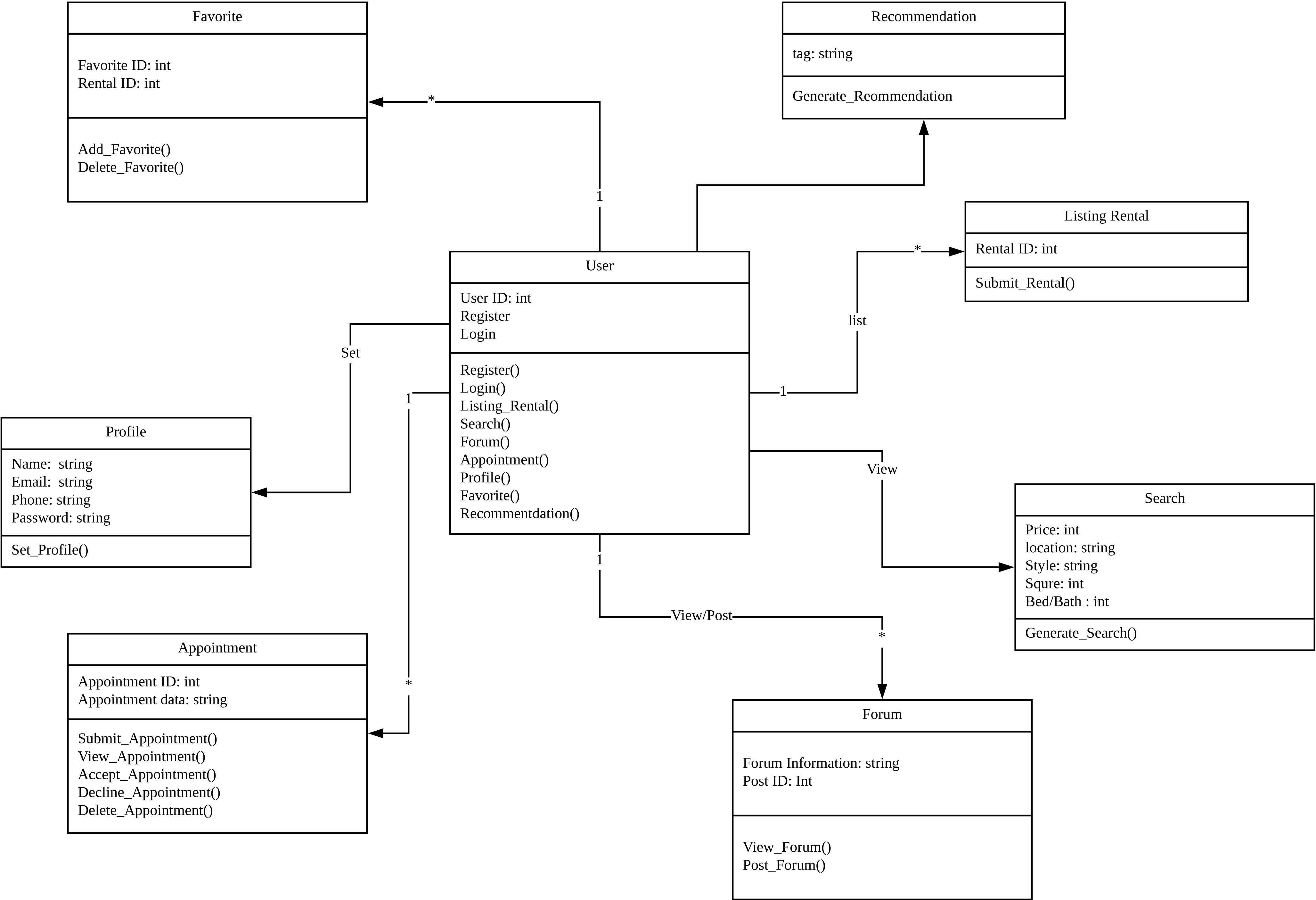


# Architecture Approach

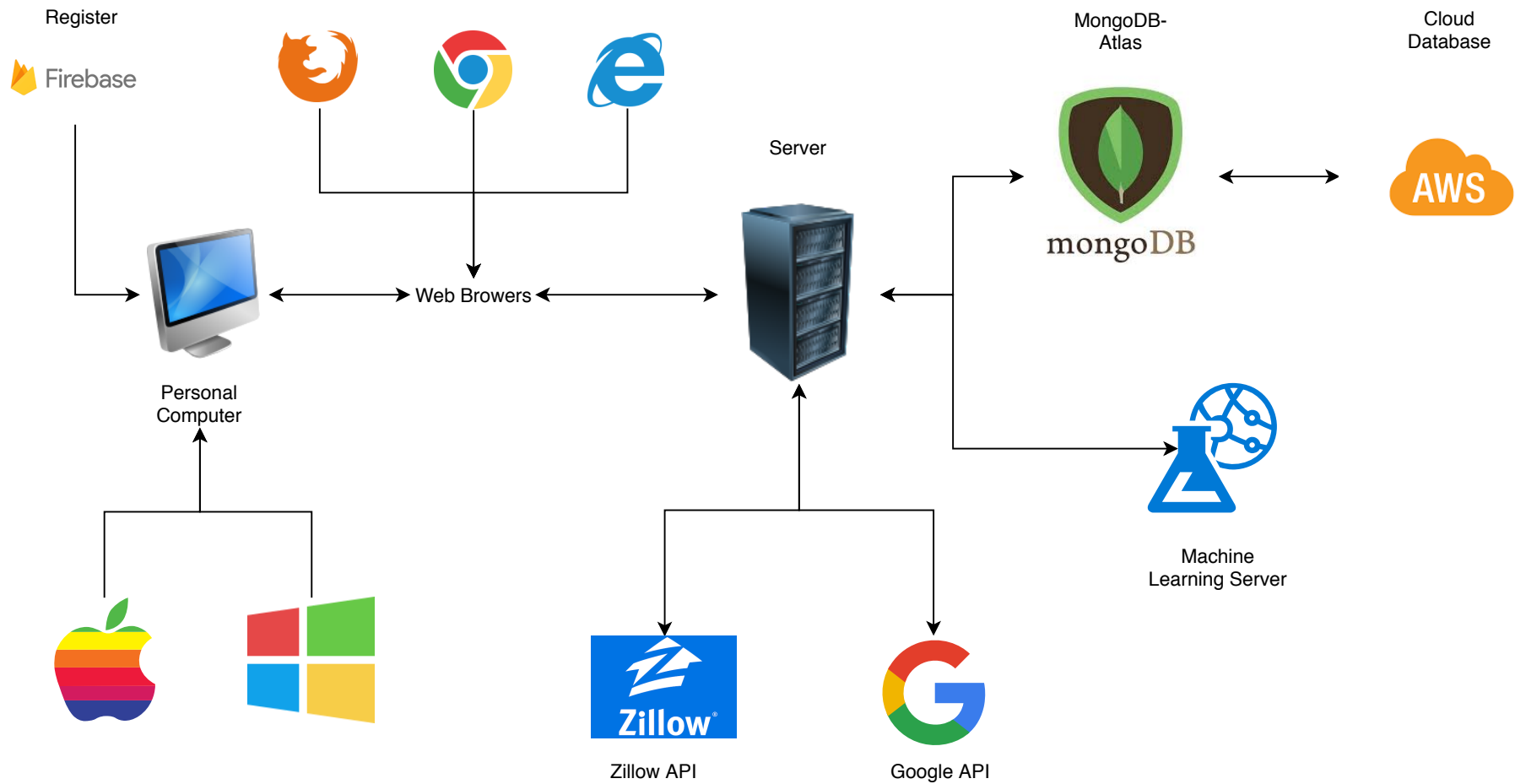
4+1







# Physical View





## Development View

- Python v-3.6 is the Python version.
- Pycharm is the coding IDE.
- Django v-2.1.5 is the website frame development tool.
- Using the cloud MongoDB-Atlas as the noSQL database.
- GitHub is the version control server.
- The team will use agile development method.



# Scenarios

Search - User could filter the house source by location, ideal rent price, beds x bath, square and style.

Listing - Users could post the descriptions, photos and price of their house.

Forum - Users could post their roommates finder message in the forum.

Appointment - User in the house detail page could make a appointment with landlord by clicking 'appointment.' (need to fill out a form with date and contact).

Favorite - User could save a specific house page in favorite list in order to later review..

Recommendation - According to the user's tags, web will going to push recommended house source.