

Real State System

-Java and Data Structures

D2Real

This system is for ...

- To keep track of a company's residential listings
- Add house details using system
- To view details of houses
- To perform searching and sorting
- & remove house records from system

Improvements ...

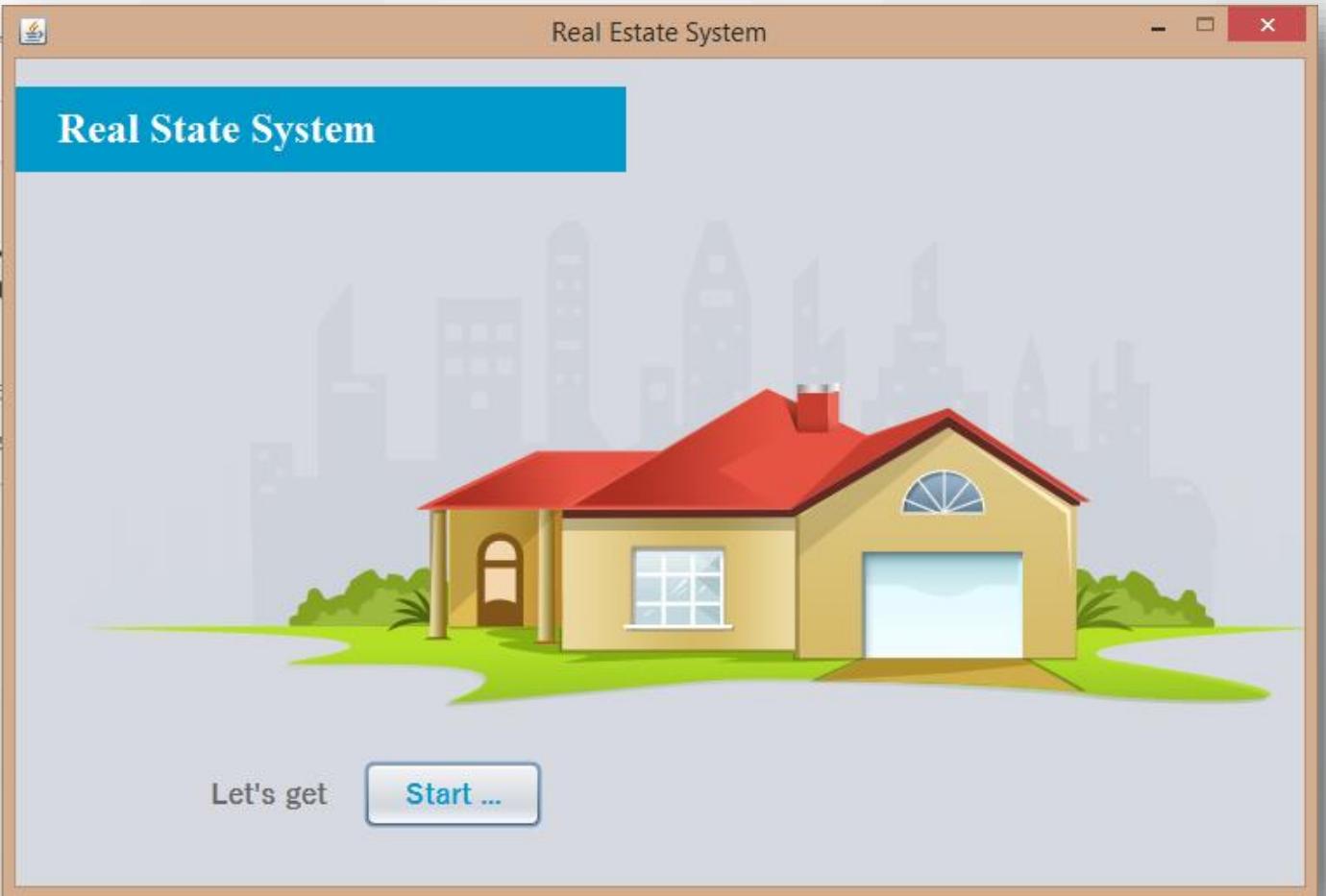
- ✓ increase productivity
- ✓ reduce time spent on administration
- ✓ replace all manual task

Architecture ...

- ~/. based on *MVC* architecture
- ~/. user *Friendly* designing
- ~/. focus on high *User Experience*
- ~/. +*Clean & Simple* look & feel

Download :

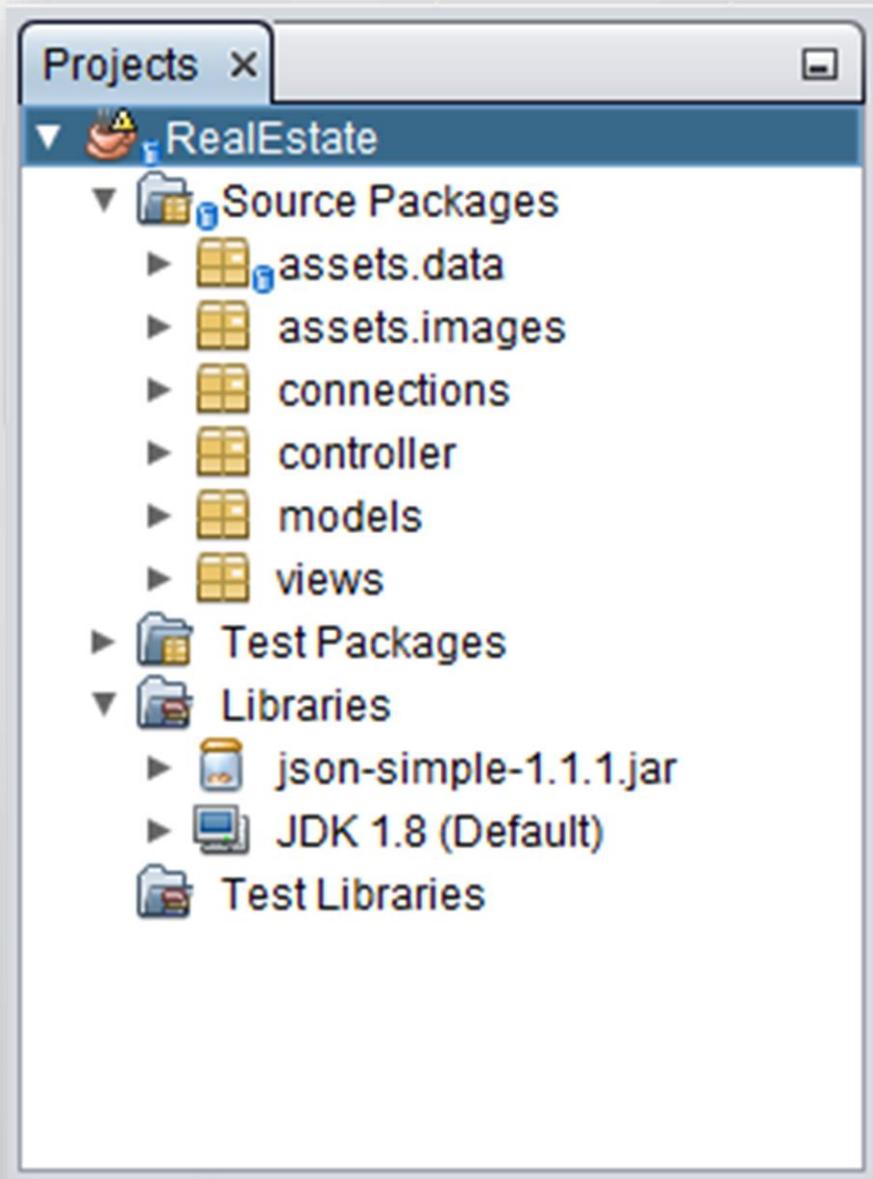
<https://github.com/UCDGeeks>



How it Happened ..?

- Java as main programming language
- **1 Main class** to handle whole functionality on program
- **2 Modals** to handle all data
- 3 Main java **controller** classes
- 4 **Views** for user interactions
- Have used Git as a VCS

Have a
look..



When it
works..

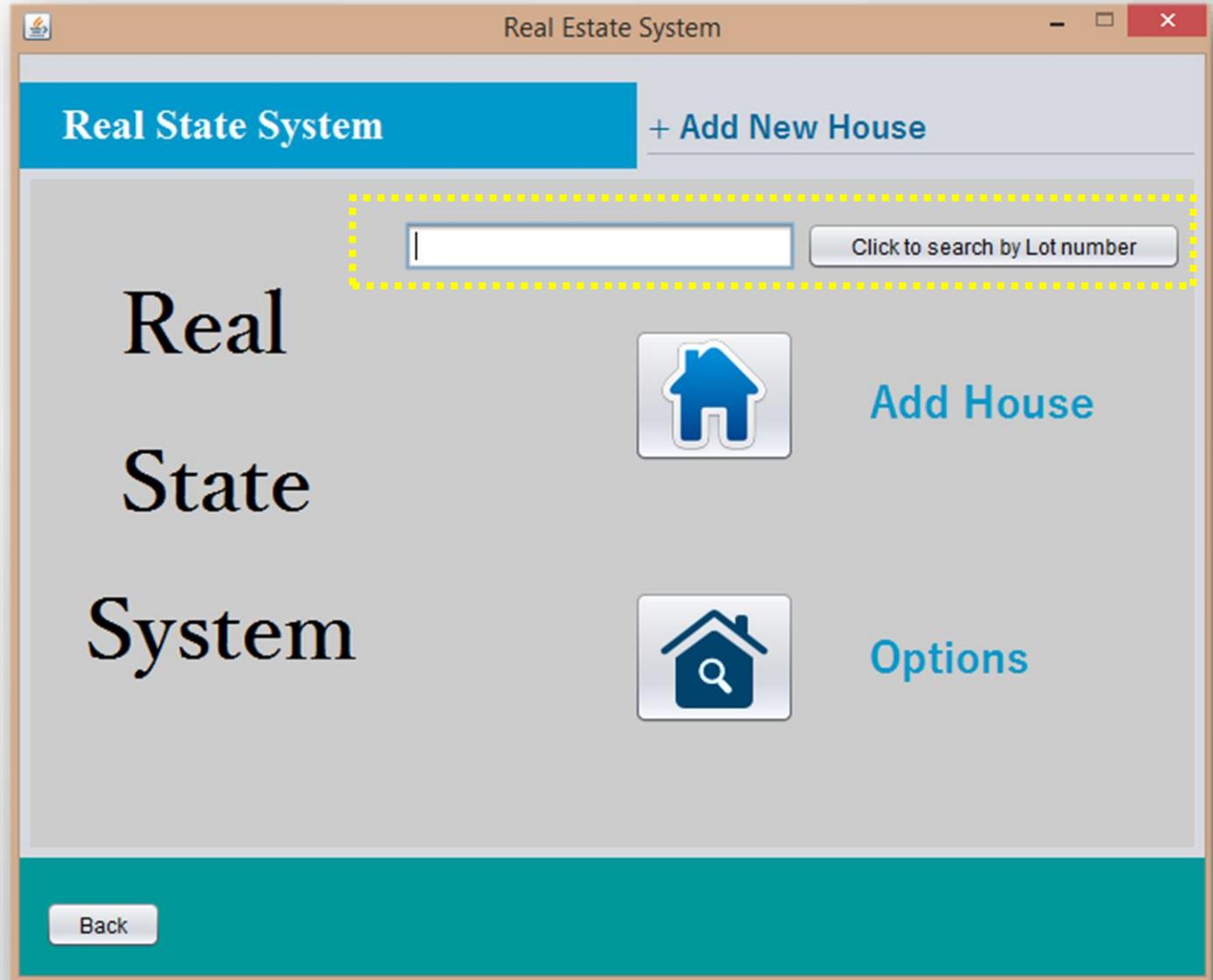


Add a house...

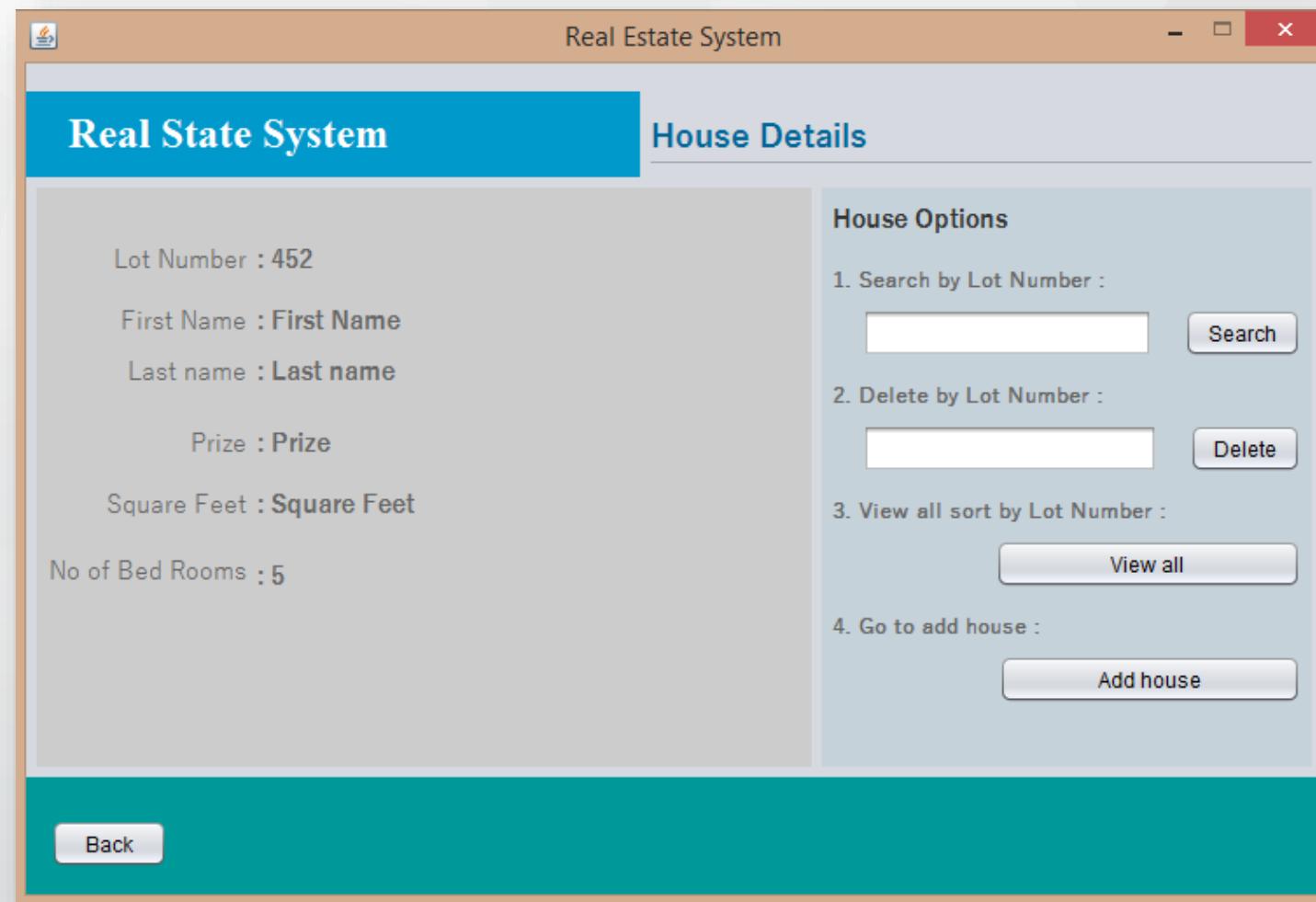
The screenshot shows a Windows application window titled "Real Estate System". The main title bar has a blue header with the text "Real State System" and a red "Add New House" button. The main content area contains six input fields: "Lot Number" (text box), "First Name" (text box), "Last name" (text box), "Prize" (text box), "Square Feet" (text box), and "No of Bed Rooms" (a slider set to 2). At the bottom, there are four buttons: "Back", "Reset", "Save", and "Cancel".

Field	Type	Value
Lot Number	Text Box	Enter Lot Number
First Name	Text Box	Enter First Name
Last name	Text Box	Enter Last Name
Prize	Text Box	Enter Price
Square Feet	Text Box	Enter Size in Square Feet
No of Bed Rooms	Slider	2

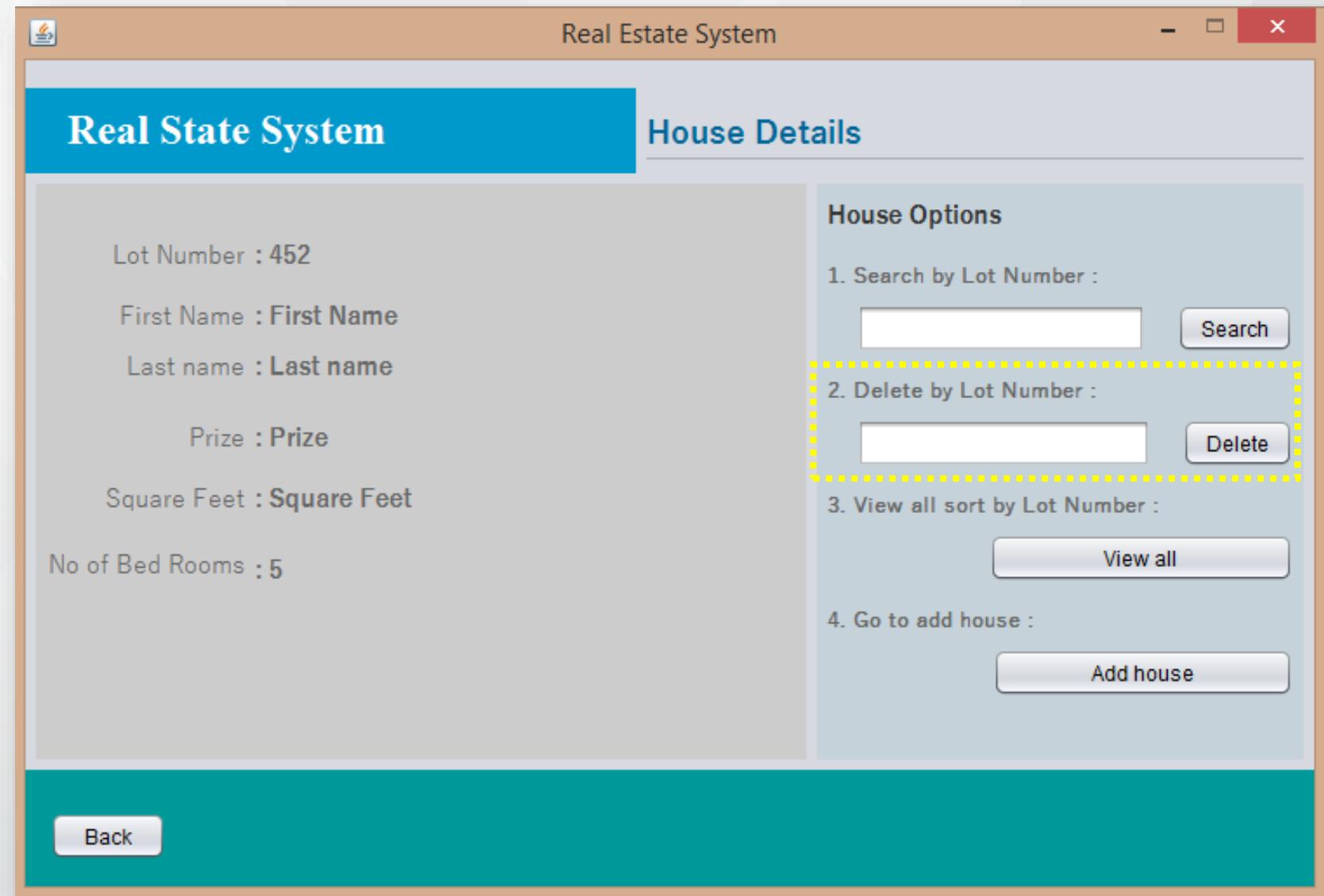
Search house
by Lot
Number...



View house details...



Delete house
by Lot
Number...



Options ...

- ~/. Search by Lot Number
- ~/. Delete by Lot Number
- ~/. Go to add house
- ~/. + View all Sort by Lot Number

House Options

1. Search by Lot Number :

Search

2. Delete by Lot Number :

Delete

3. View all sort by Lot Number :

View all

4. Go to add house :

Add house

Where DSA...?

```
//Bubble Sort Start
Boolean swap = true;
do {
    swap = false;
    for (int i = 0; i < HouseArray.length - 1; i++) {
        int first = Integer.parseInt(dataArray[i][0]);
        int second = Integer.parseInt(dataArray[i + 1][0]);
        if (first > second) {
            for (int j = 0; j < 6; j++) {
                String temp = dataArray[i][j];
                dataArray[i][j] = dataArray[i + 1][j];
                dataArray[i + 1][j] = temp;
            }
            swap = true;
        }
    }
} while (swap);
//Bubble Sort End
```

How we use DSA...?

- Bubble Sort as a sorting algorithm
 - it's fast
 - & really good when use for small arrays
- Arrays & list to store data
- Linear search as searching algorithm
 - Perfect for unsorted arrays
 - Because system use small arrays

Team Work &

Timeline

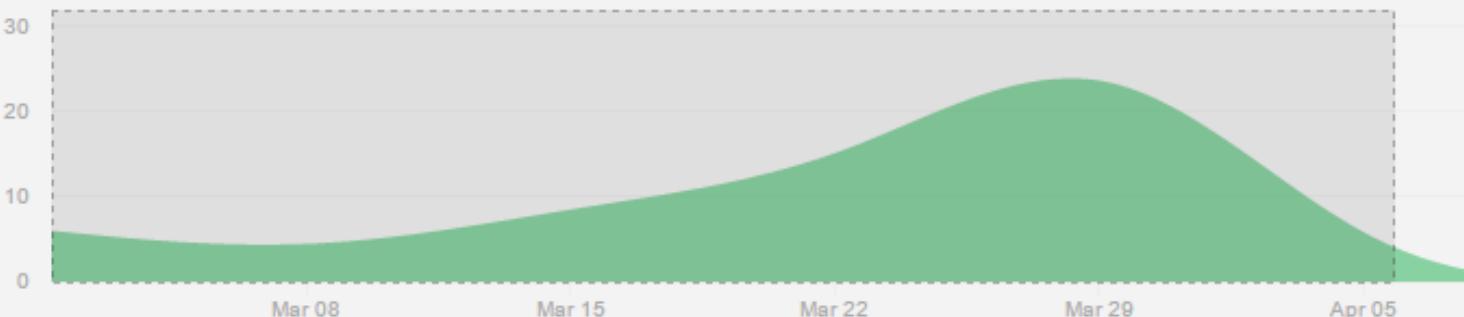
~/. Srimal	14208910
~/. Anton	14209006
~/. Thisaru	14209028
~/. Sajeeka	14209028
~/. Kalana	14208883

Host :

https://github.com/UCDGeeks/RealEstate_System

Mar 1, 2015 – Apr 5, 2015

Contributions to master, excluding merge commits



Thank You !

D2Real