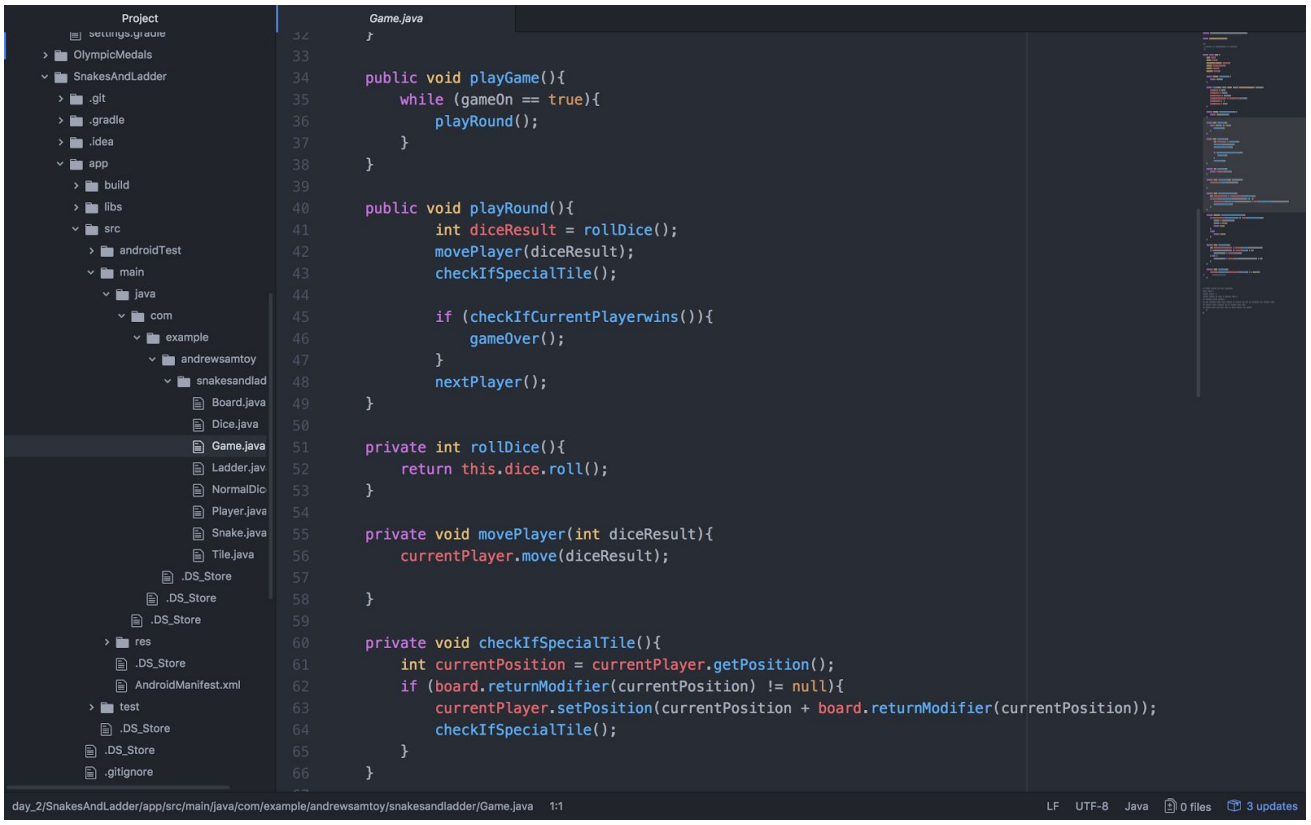
I.T. 1 - Encapsulation

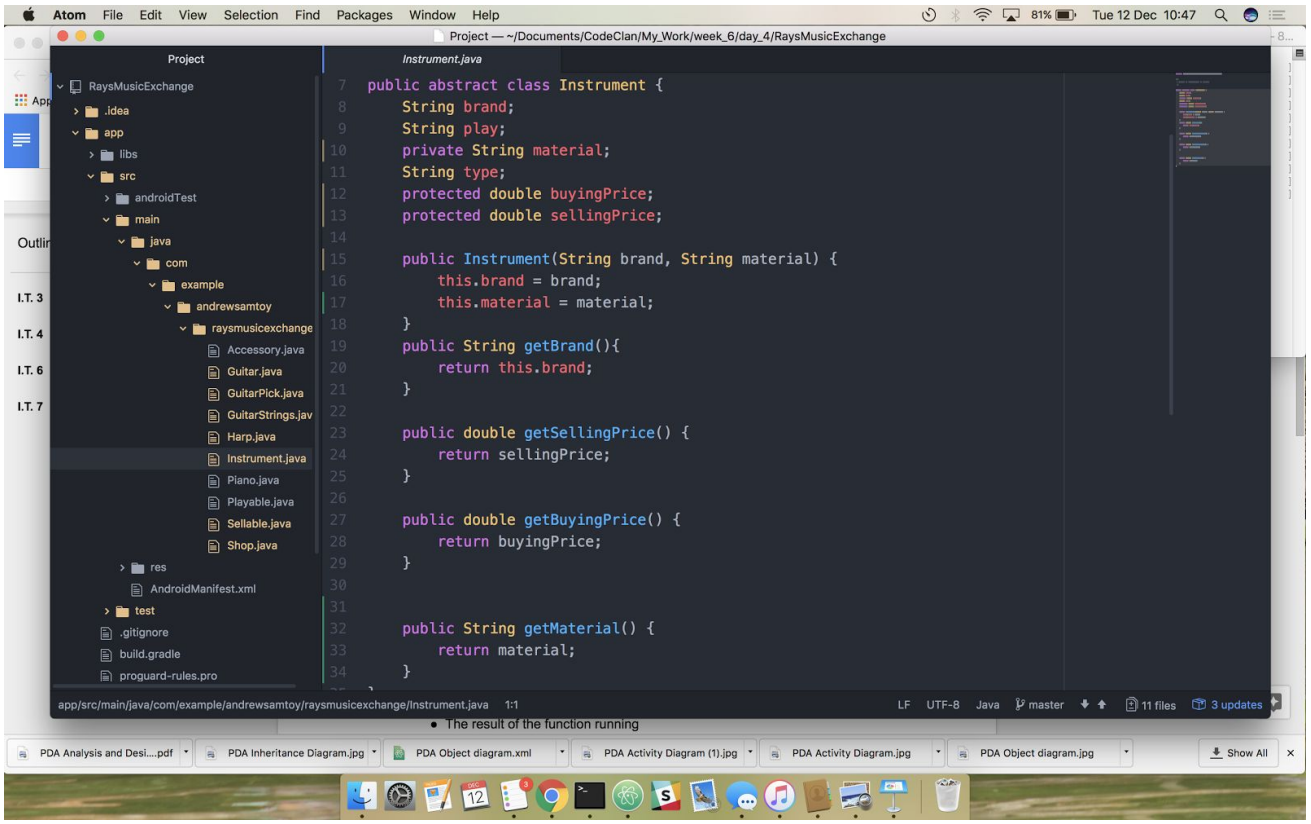
Take a screenshot of an example of encapsulation in a program.



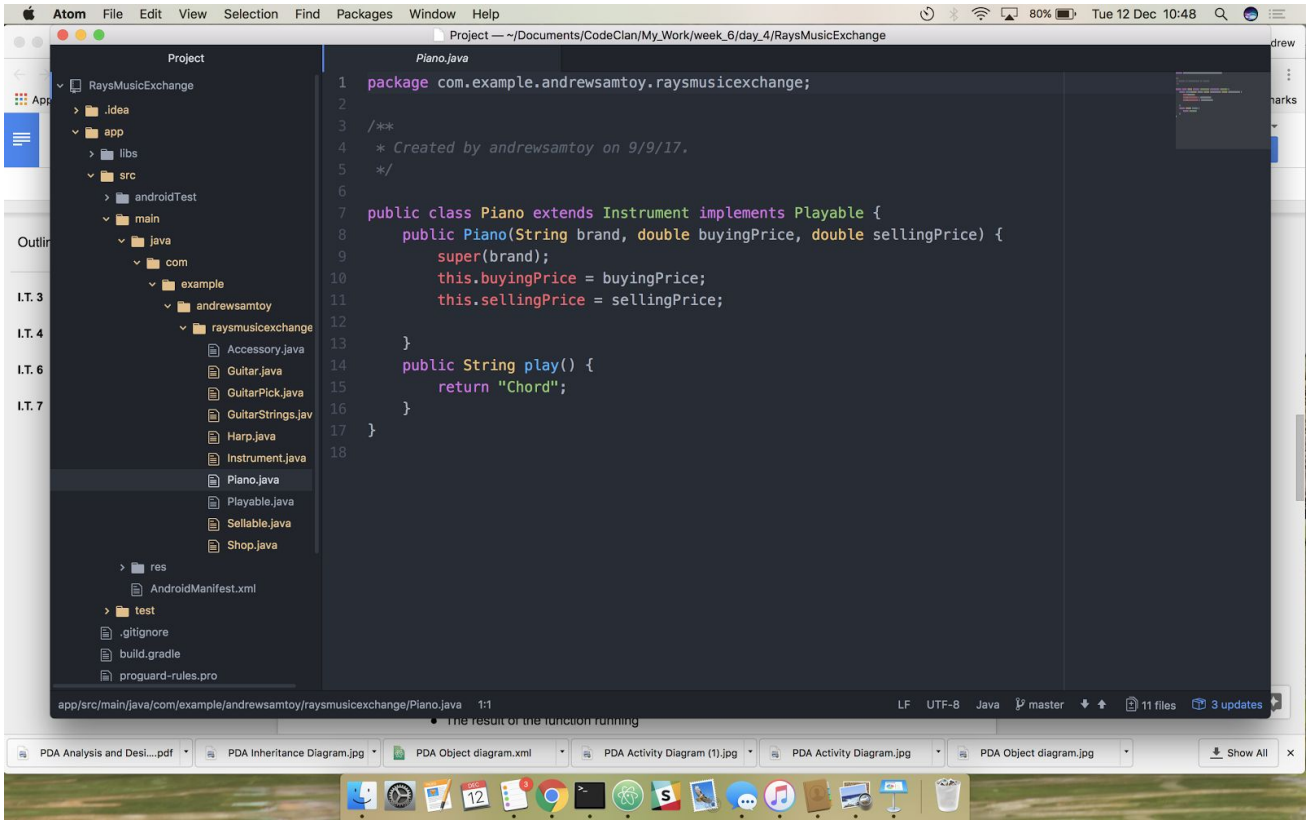
I.T. 2 - Inheritance in a program

Take a screenshot of the use of Inheritance in a program. Take screenshots of:

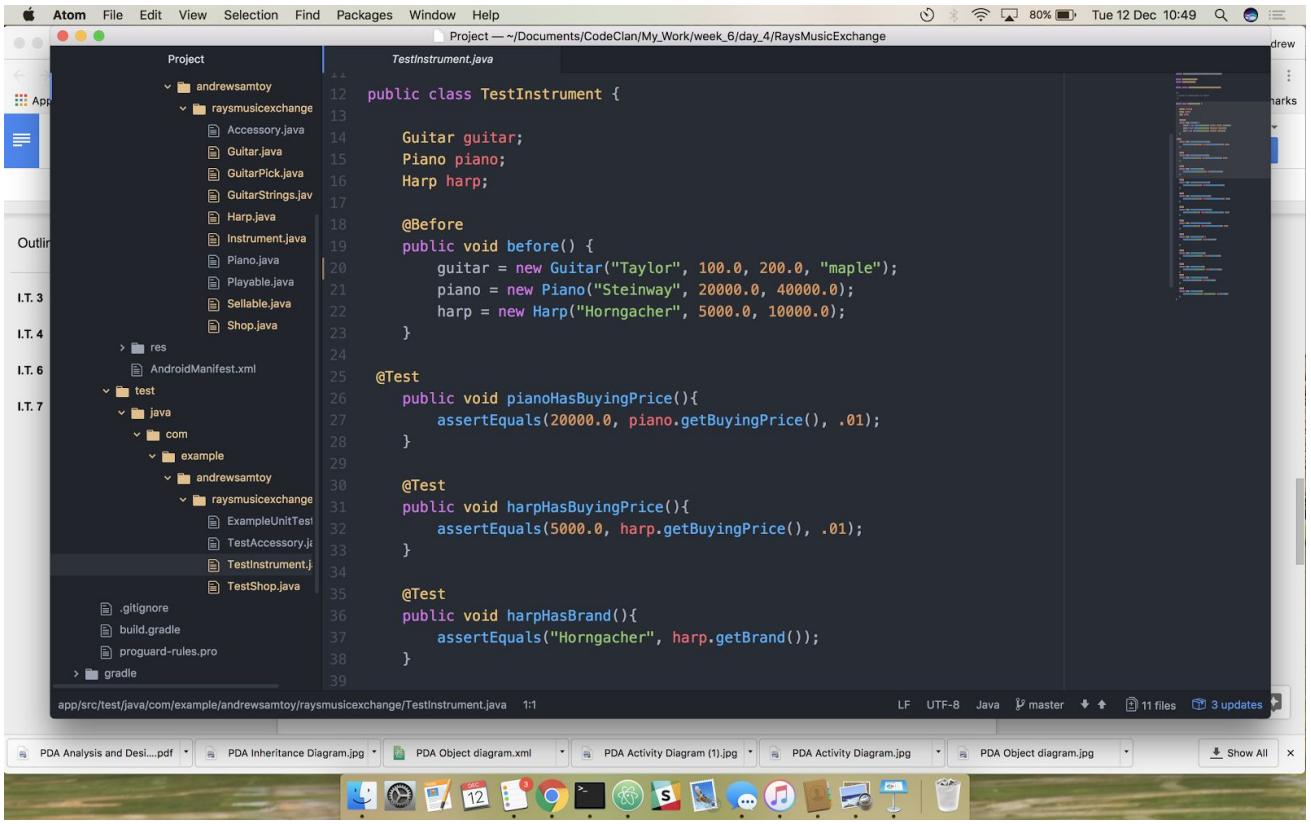
- A Class



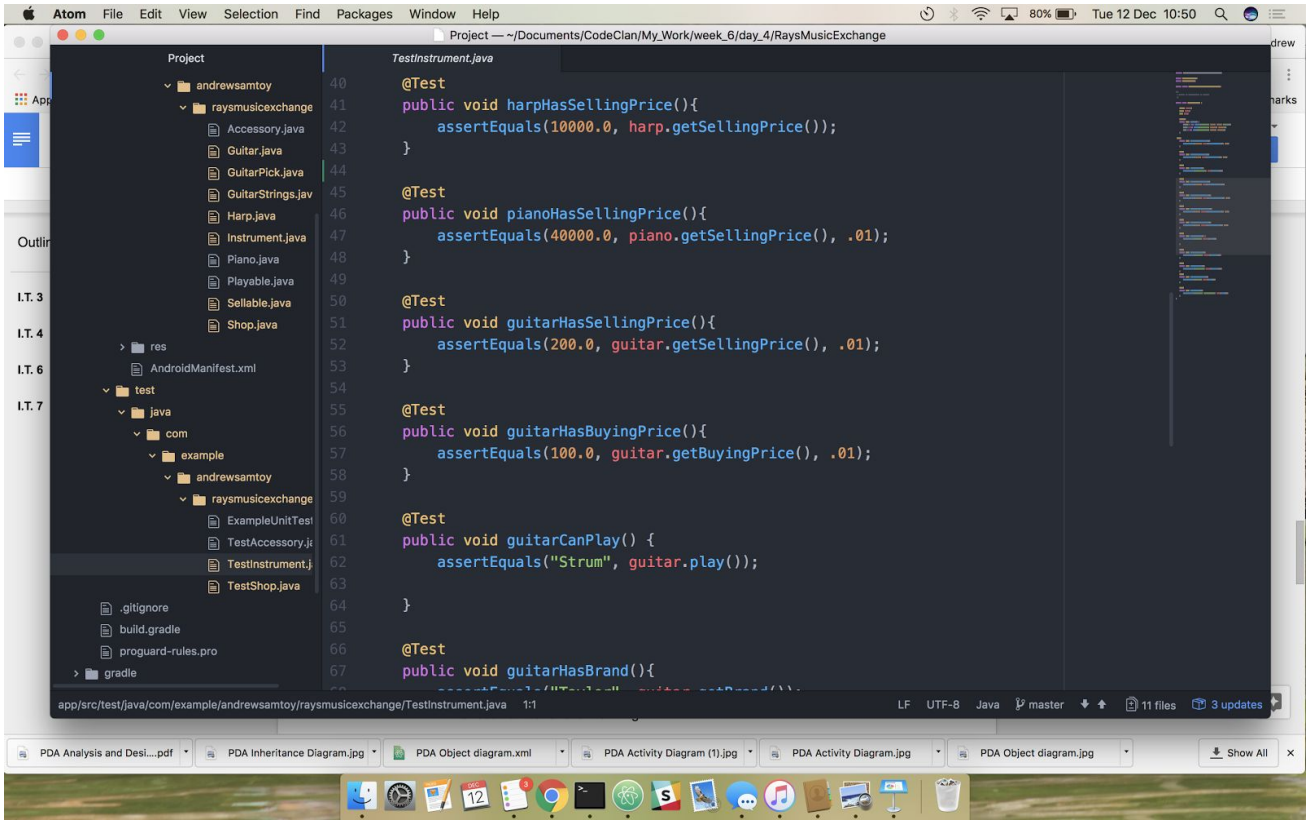
- A Class that inherits from the previous class



- An Object in the inherited class



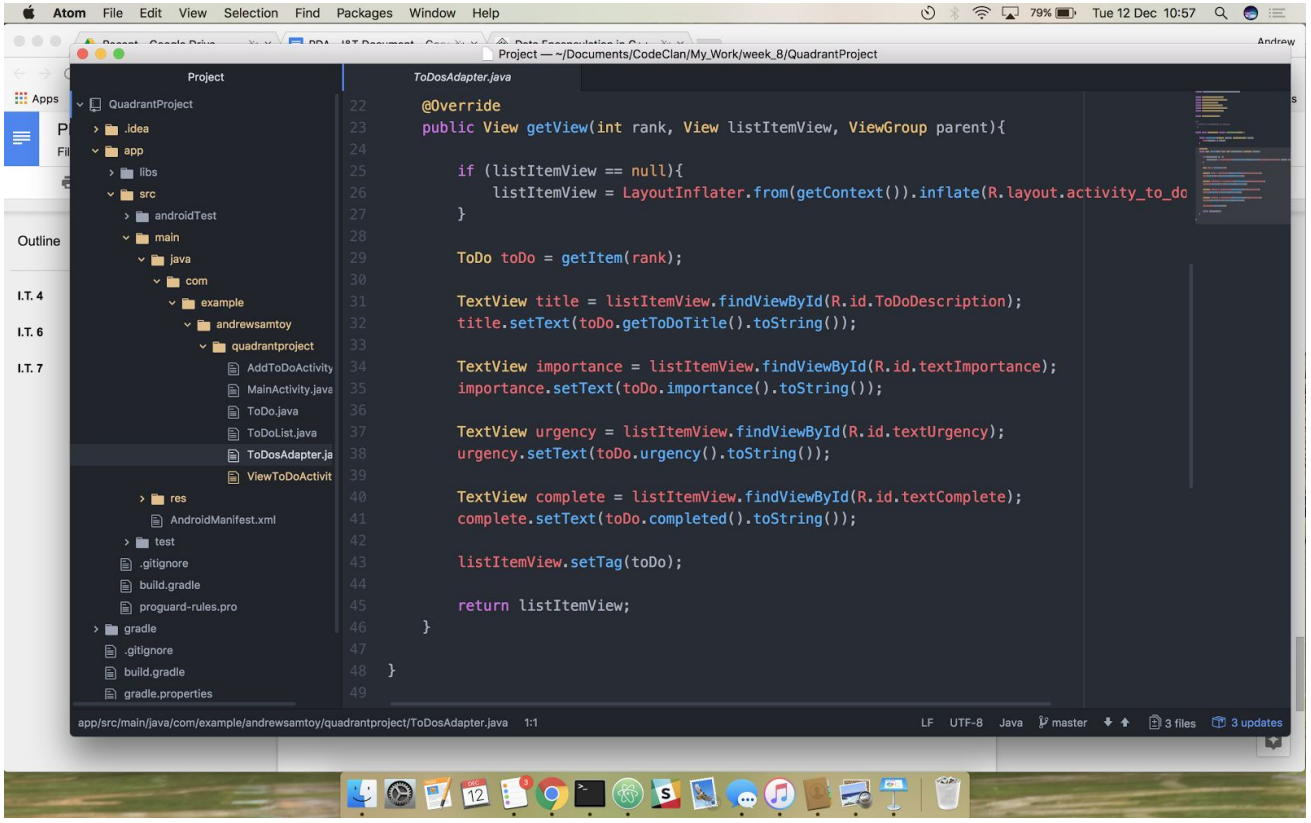
- A Method that uses the information inherited from another class.



I.T. 3

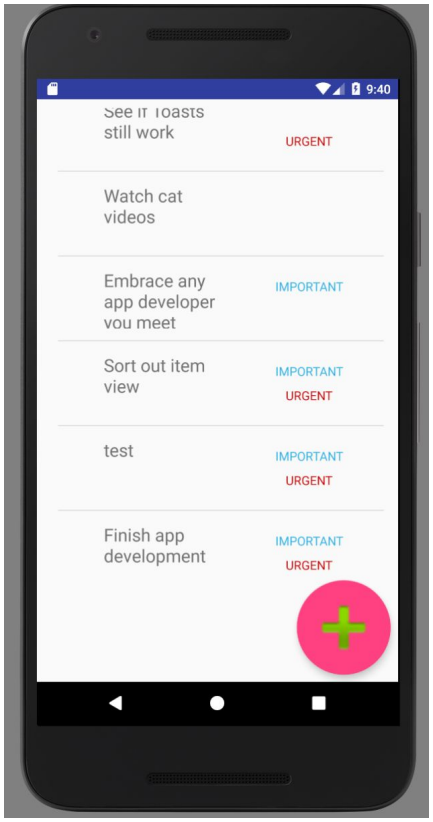
Demonstrate searching data in a program. Take screenshots of:

- Function that searches data



```
@Override
public View getView(int rank, View listItemView, ViewGroup parent){

    if (listItemView == null){
        listItemView = LayoutInflater.from(getContext()).inflate(R.layout.activity_to_do
    }

    ToDo toDo = getItem(rank);

    TextView title = listItemView.findViewById(R.id.ToDoDescription);
    title.setText(toDo.getToDoTitle().toString());

    TextView importance = listItemView.findViewById(R.id.textImportance);
    importance.setText(toDo.importance().toString());

    TextView urgency = listItemView.findViewById(R.id.textUrgency);
    urgency.setText(toDo.urgency().toString());

    TextView complete = listItemView.findViewById(R.id.textComplete);
    complete.setText(toDo.completed().toString());

    listItemView.setTag(toDo);

    return listItemView;
}

}
```

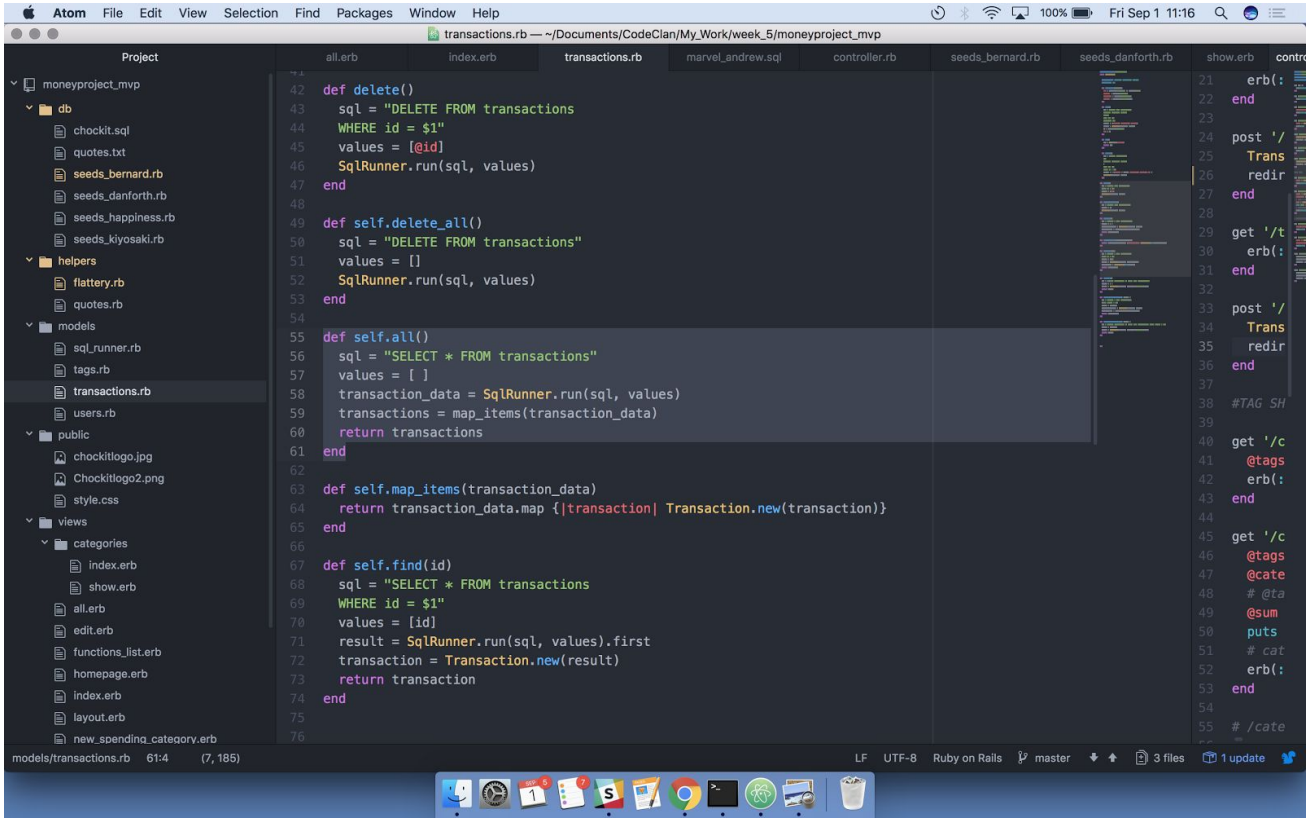
- The result of the function running



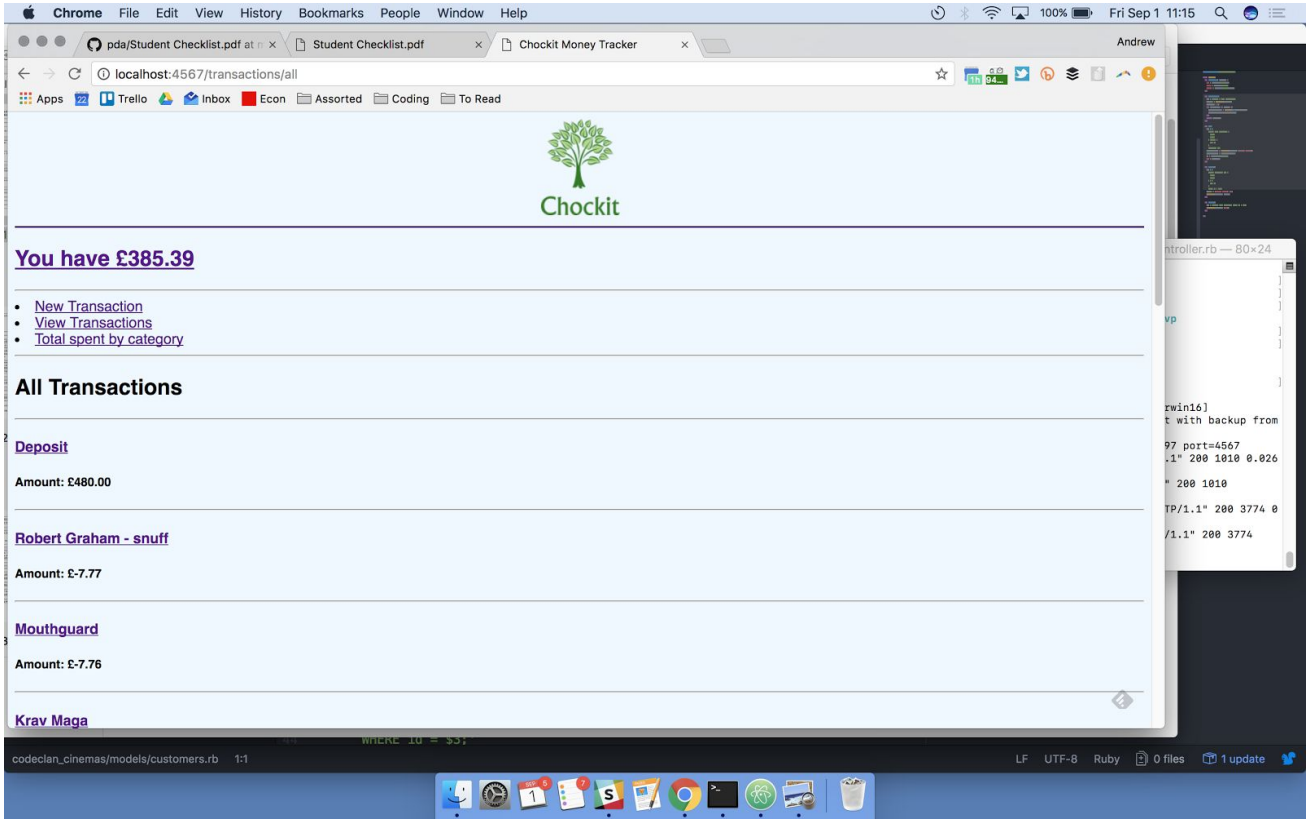
I.T. 4

Demonstrate sorting data in a program. Take screenshots of:

- Function that sorts data



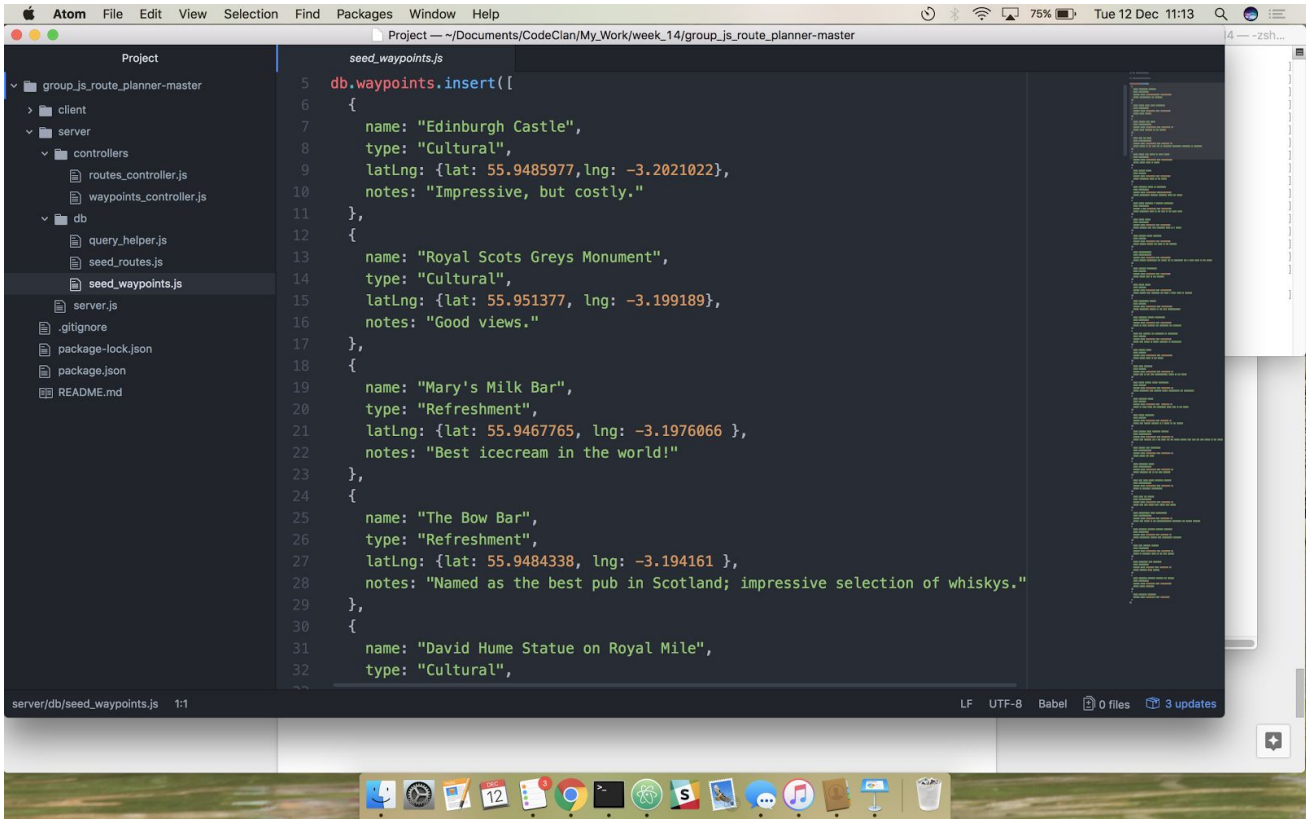
- The result of the function running



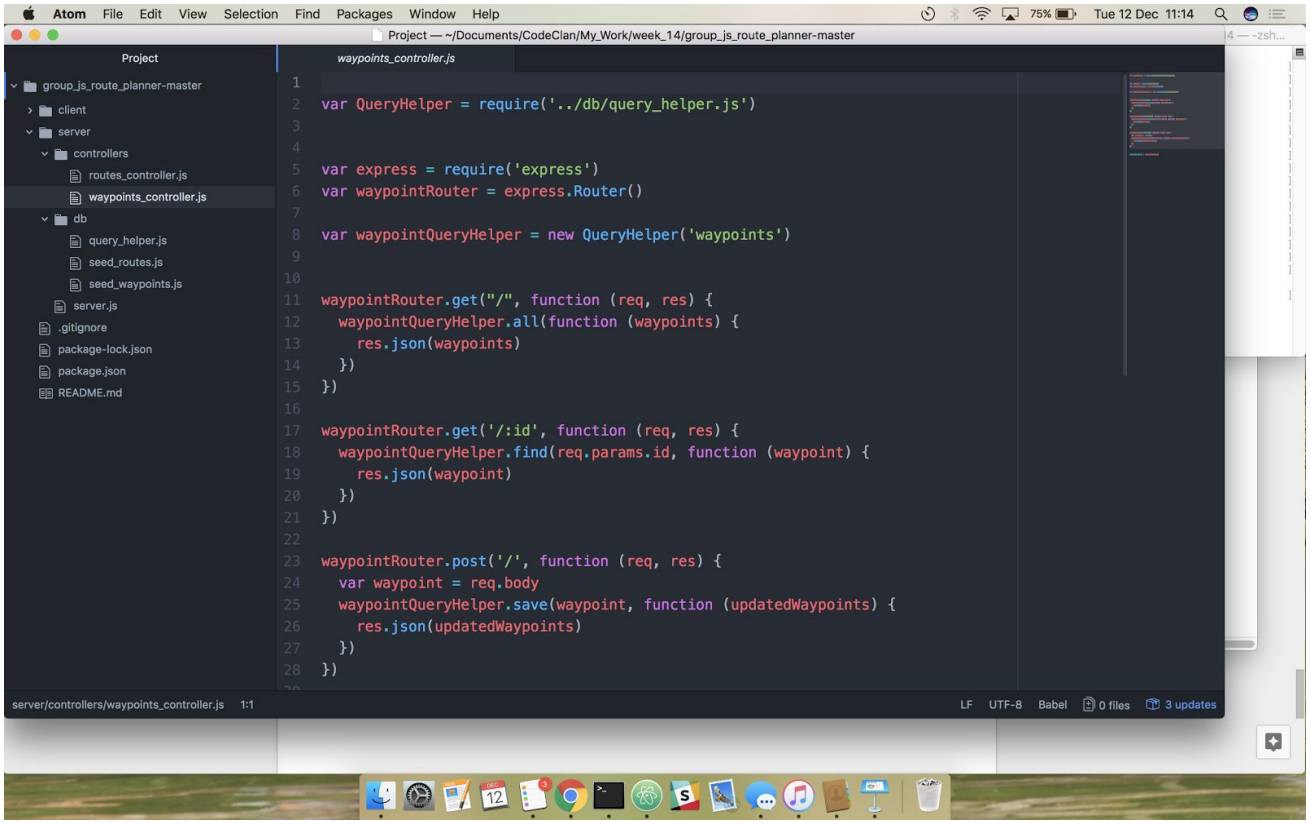
I.T. 5

Demonstrate the use of an array in a program. Take screenshots of:

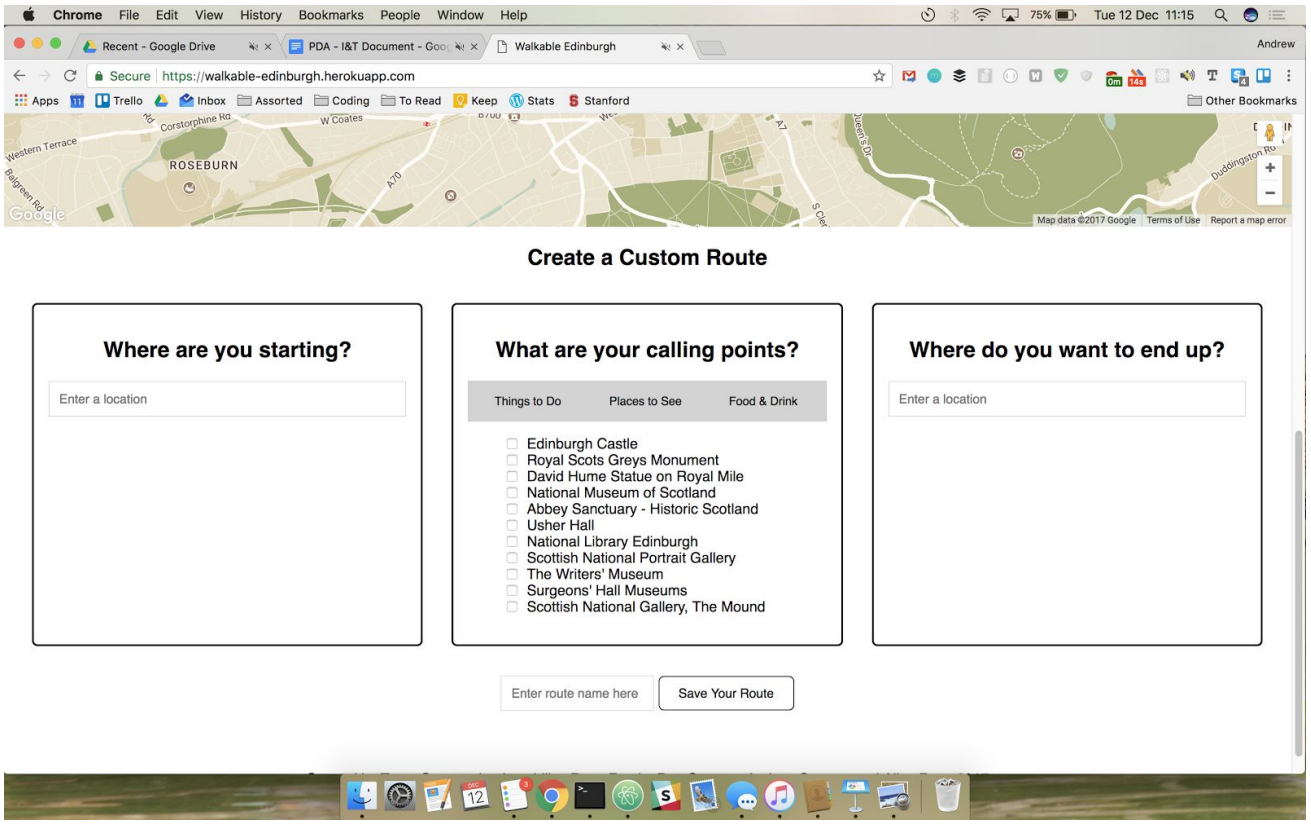
- An array in a program



- A function that uses the array



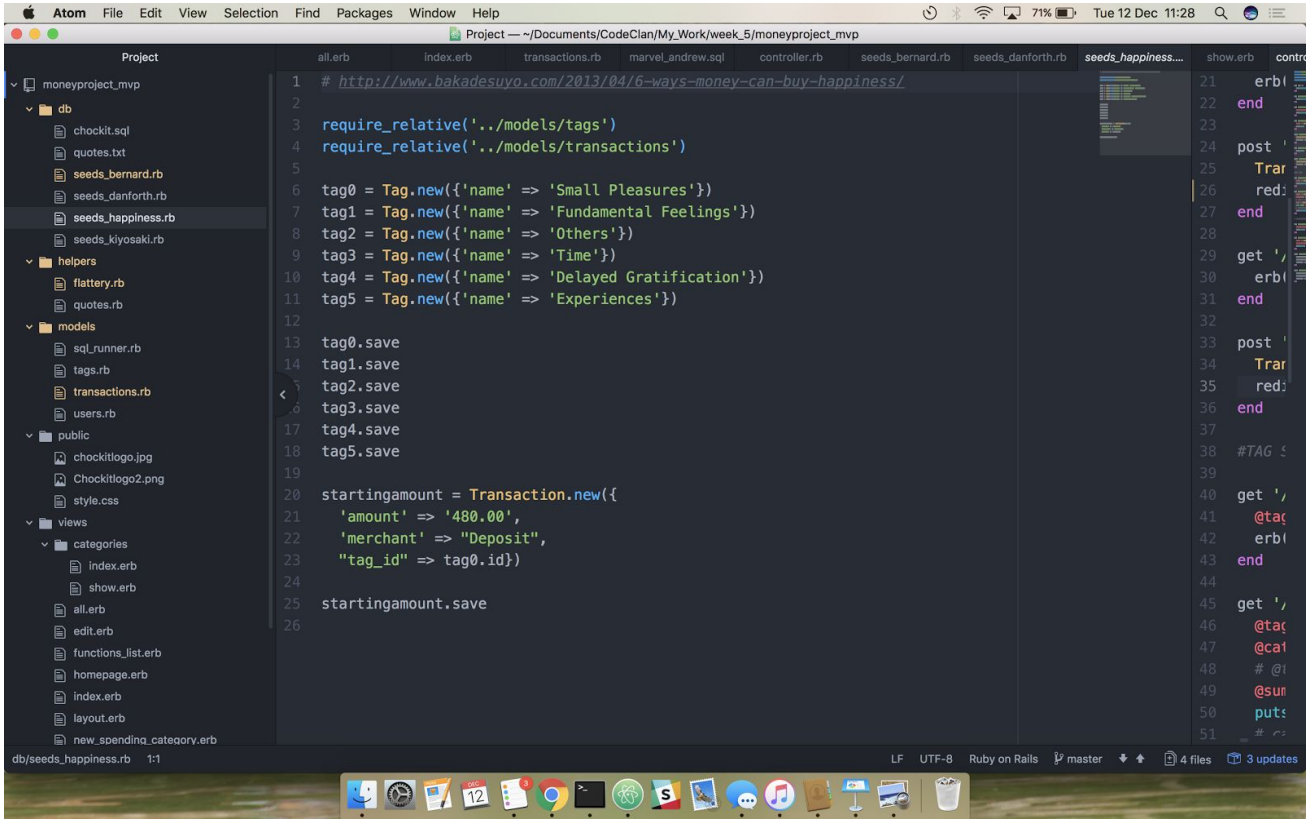
- The result of the function running



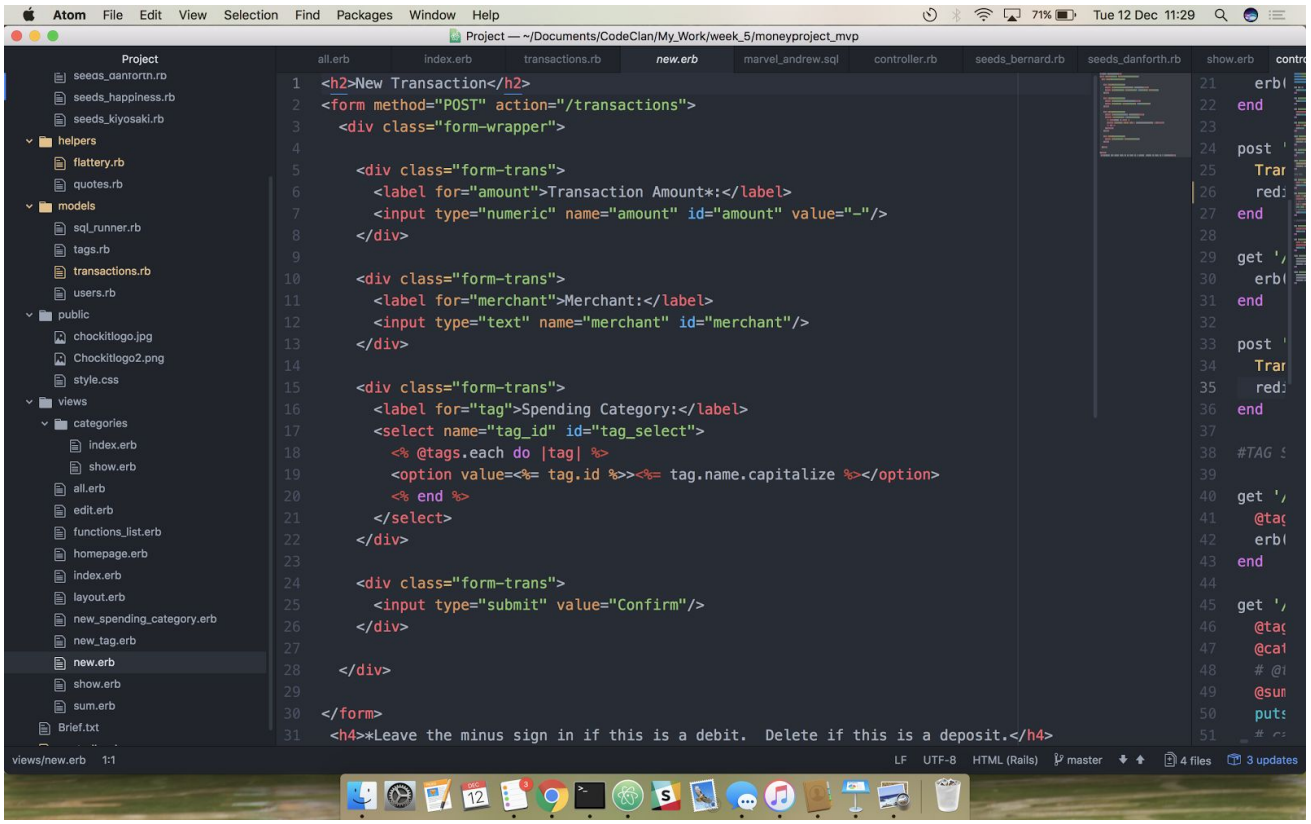
I.T. 6

Demonstrate the use of a hash in a program. Take screenshots of:

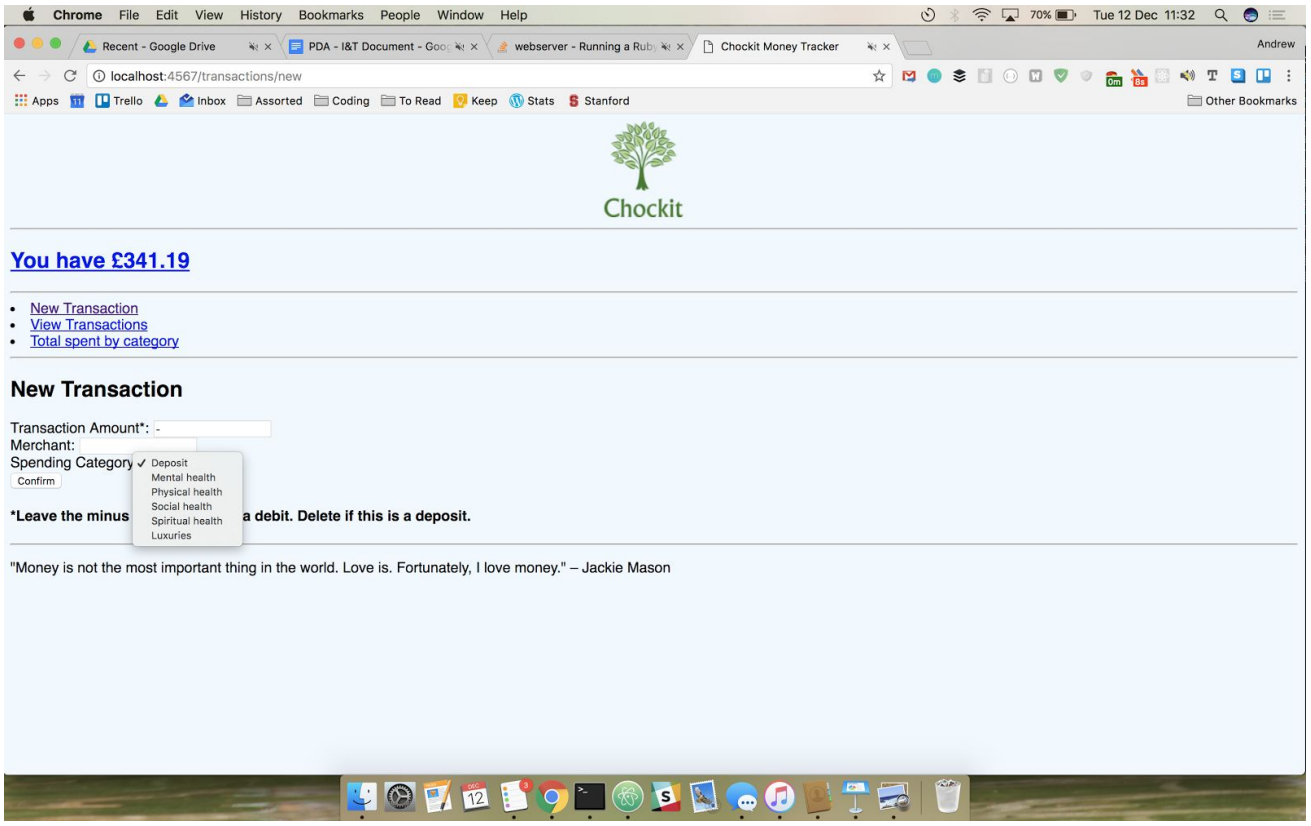
- A hash in a program



- A function that uses the hash



- The result of the function running



I.T. 7
Demonstrate the use of Polymorphism in a program.