I.T. 1 - Encapsulation

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

```
> OlympicMedals

✓ ■ SnakesAndLadder

                                                          while (gameOn == true){
   playRound();
  → 🛅 .git
  > 🛅 .gradle
  > 📠 .idea
    > 🛅 libs
       > androidTest
       ∨ main
          v 🛅 java
            ∨ 💼 com
               v 🛅 example

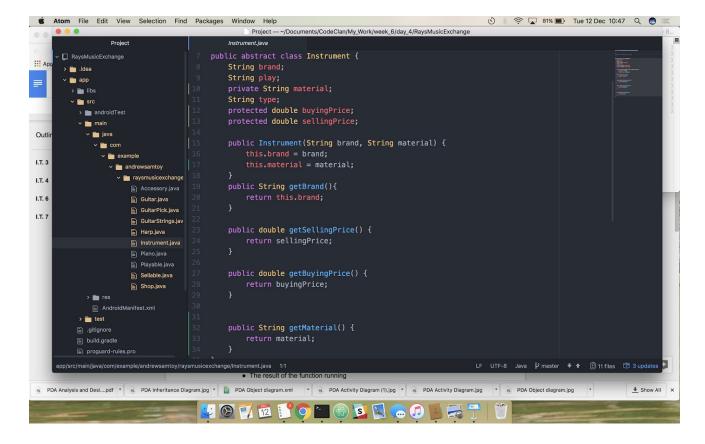
→ mandrewsamtoy

                    v 🛅 snakesandlad
                        NormalDic
                        Player.java
         > 🛅 res
                                                          int currentPosition = currentPlayer.getPosition();
if (board.returnModifier(currentPosition) != null){
       > iii test
       gitignore
```

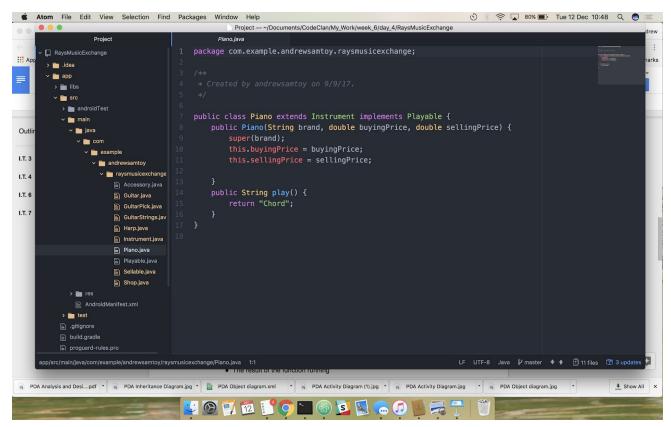
I.T. 2 - Inheritance in a program

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

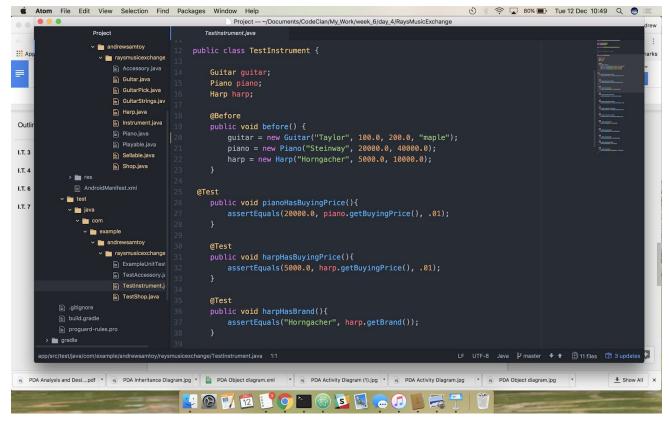
• A Class



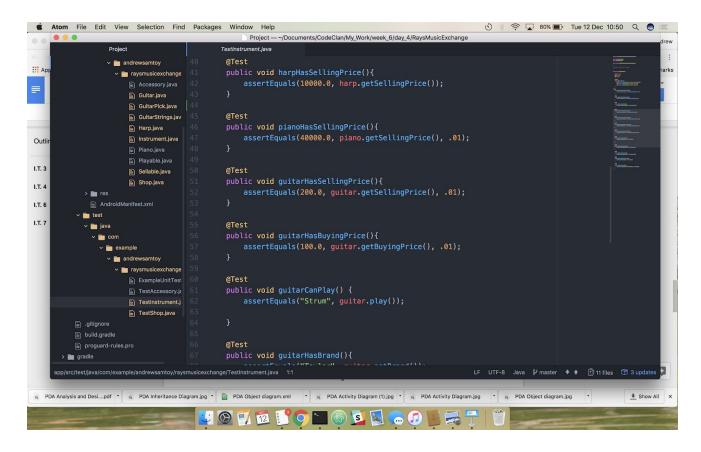
• A Class that inherits from the previous class



• An Object in the inherited class

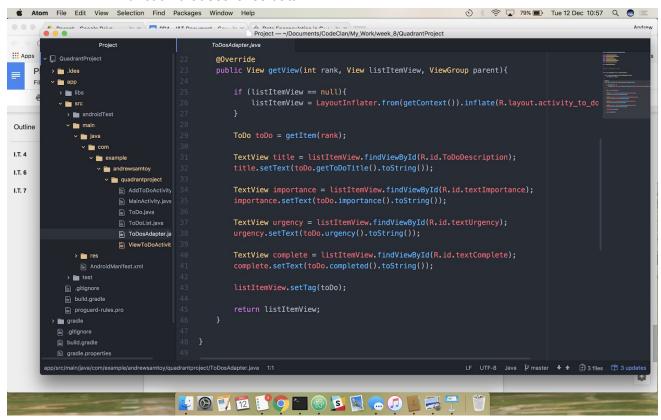


• A Method that uses the information inherited from another class.

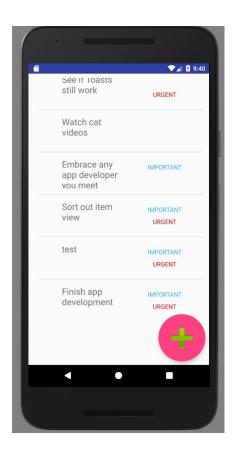


I.T. 3 Demonstrate searching data in a program. Take screenshots of:

• Function that searches data

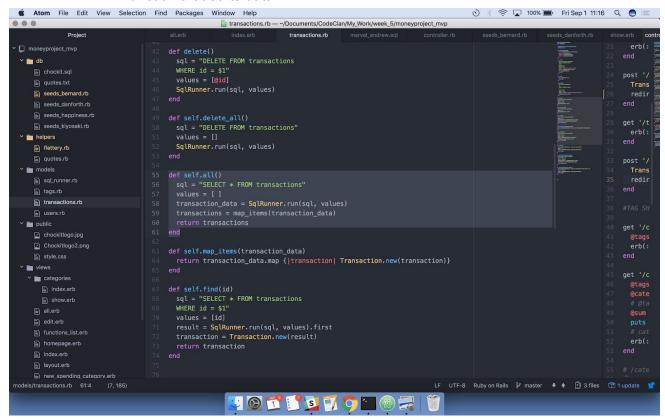


• The result of the function running

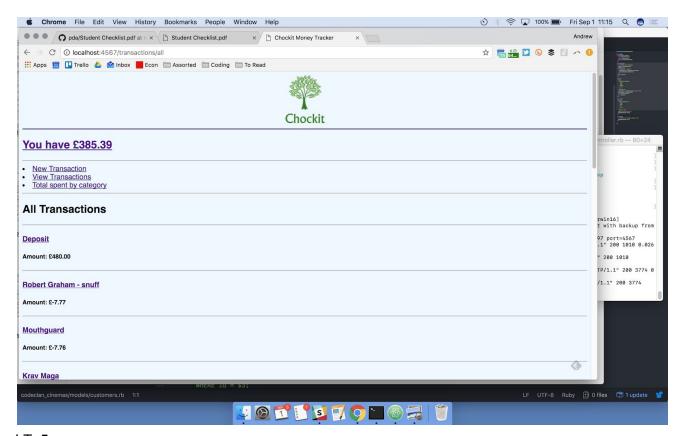


I.T. 4 Demonstrate sorting data in a program. Take screenshots of:

Function that sorts data



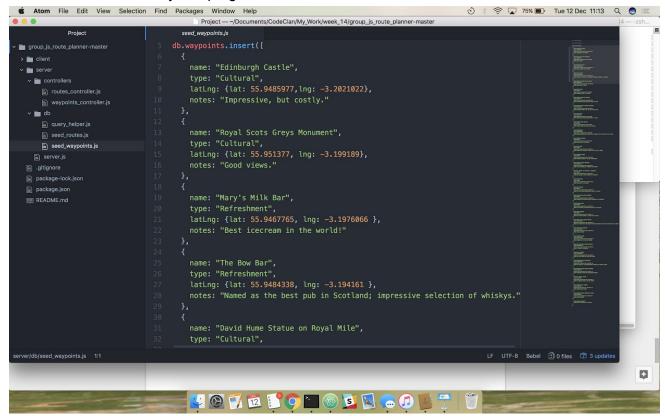
• The result of the function running



I.T. 5

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

An array in a program



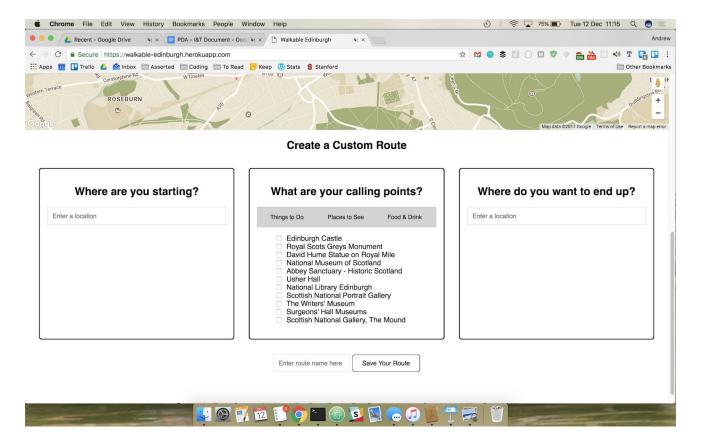
A function that uses the array

```
Atom File Edit View Selection Find Packages Window Help
                                                                                                                                          ③ 🛪 🛜 🔽 75% 🔳 Tue 12 Dec 11:14 Q 🌏 🖃
                                                       Project — ~/Documents/CodeClan/My Work/week 14/group is route planner-master
                                                 waypoints_controller.js
group_js_route_planner-master
                                              var QueryHelper = require('../db/query_helper.js')
> e client
v is serve

→ im controllers

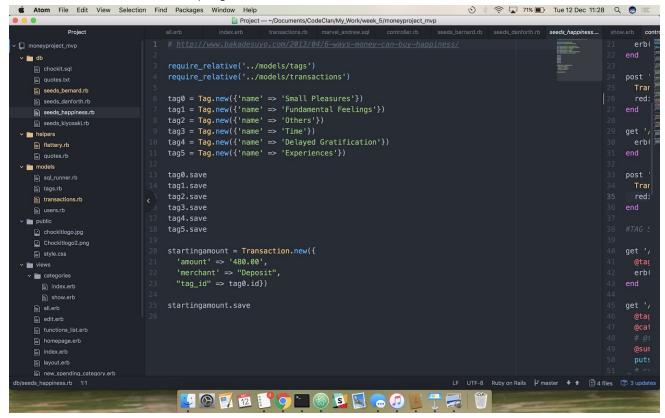
                                             var express = require('express')
       seed_waypoints.js
                                             waypointRouter.get("/", function (req, res) {
  waypointQueryHelper.all(function (waypoints) {
   res.json(waypoints)
    server.is
  gitignore ...
                                             waypointRouter.get('/:id', function (req, res) {
  waypointQueryHelper.find(req.params.id, function (waypoint) {
                                               var waypoint = req.body
waypointQueryHelper.save(waypoint, function (updatedWaypoints) {
  res.json(updatedWaypoints)
                                                                                                                                                                                              🗐 🛂 🚱 📝 🔟 💕 🥎 🛅 🚳 💆 🞑 🦛 🕡 🖲 😷
```

The result of the function running

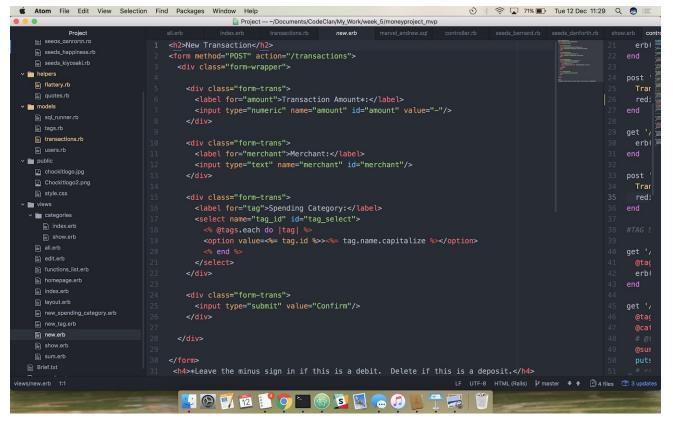


I.T. 6 Demonstrate the use of a hash in a program. Take screenshots of:

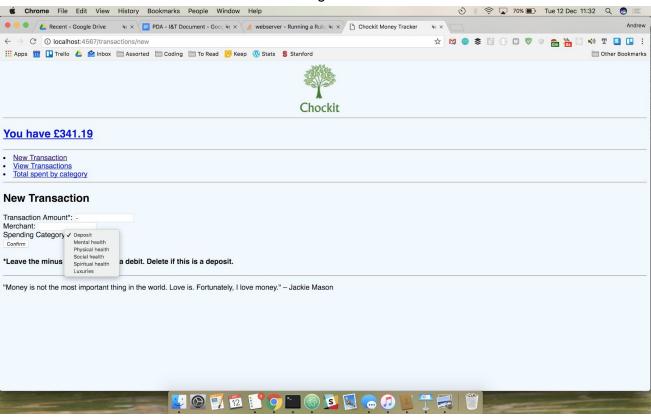
• A hash in a program



• A function that uses the hash

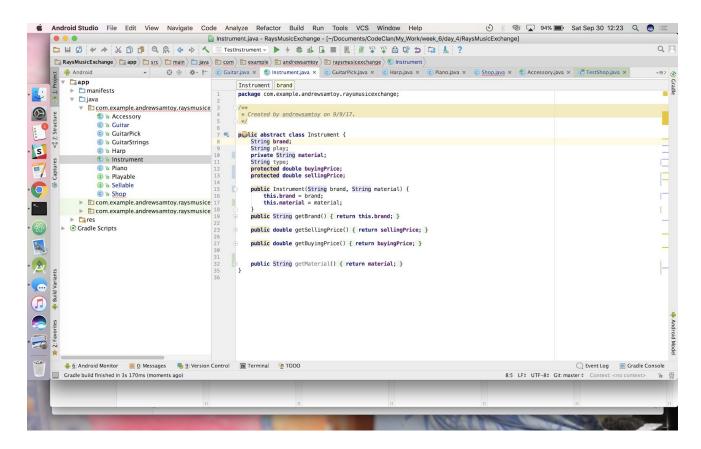


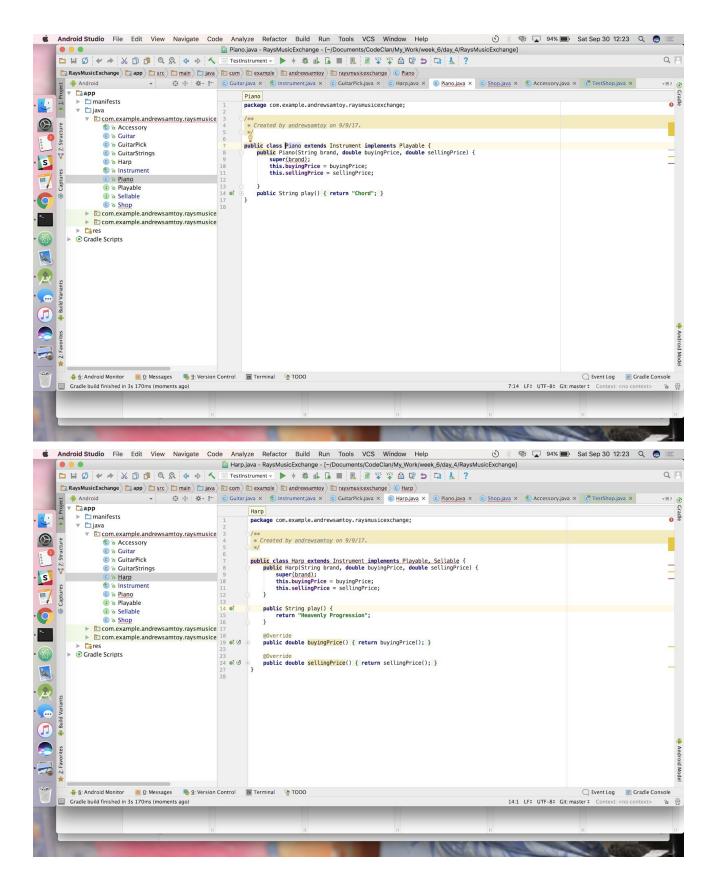
The result of the function running



I.T. 7

Demonstrate the use of Polymorphism in a program.





Testing code: your testing example is missing the following: The test code failing to pass. Example of the test code once errors have been corrected. The test code passing.

