IDE

Integrated Development Environment

IDE Workshop Handout

	Windows	OSX	Linux	
	✓	✓	✓	Text Editor: http://www.vim.org/ Plugins: https://vimawesome.com/
		✓		IDE: https://developer.apple.com/xcode/
	✓	✓		IDE: https://www.visualstudio.com/vs/ Keyboard shortcuts: http://www.dofactory.com/reference/visual-studio-shortcuts Extensions: https://marketplace.visualstudio.com/vs
	✓	✓	✓	IDE: https://c9.io/login Keyboard shortcuts: https://docs.c9.io/docs/keybindings

```
// Test Code
#include <iostream>
using namespace std;
int main()
{
	for (int i = 0; i < 5; i++)
	{
		cout << i + 1 << ". Hello World!"<< endl;
	}
	cout << "\nGoodbye World!" << endl;

	return 0;
}
```

How to guide: https://youtu.be/xDul9NhD9Hs

https://cse-csusb.org/

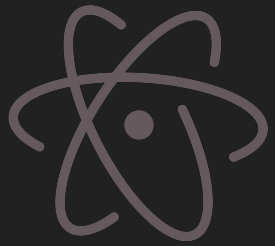
What is an IDE?

An IDE is a software application used by programmers for code development and normally consists of a source code editor, a compiler/interpreter, and a debugger.

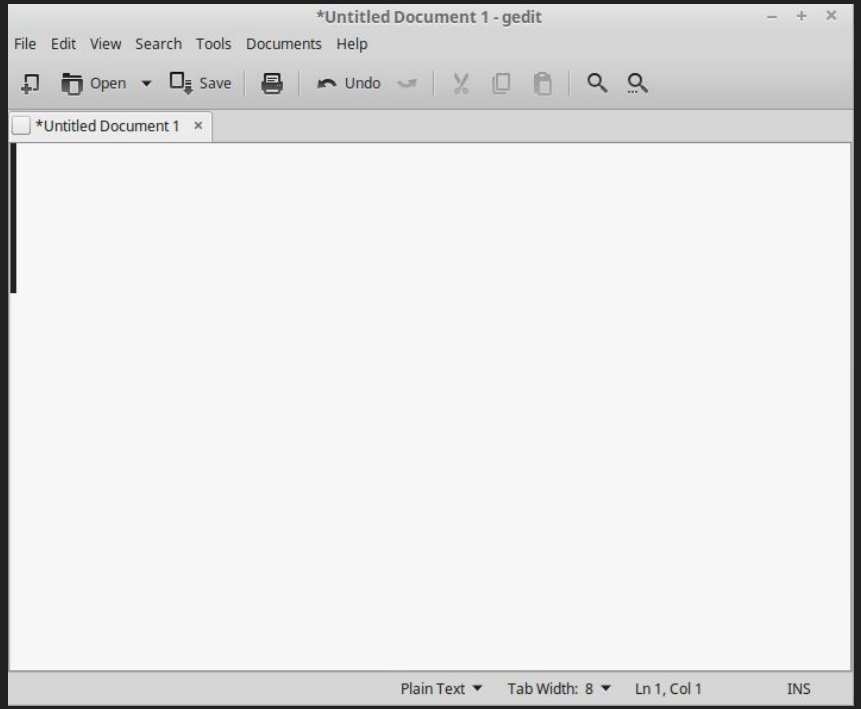
Vim

gedit

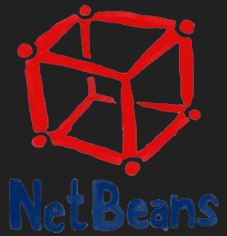
Notepad++

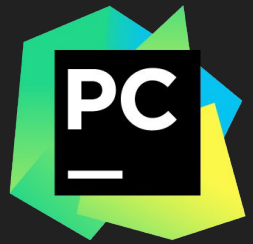


Text Editor

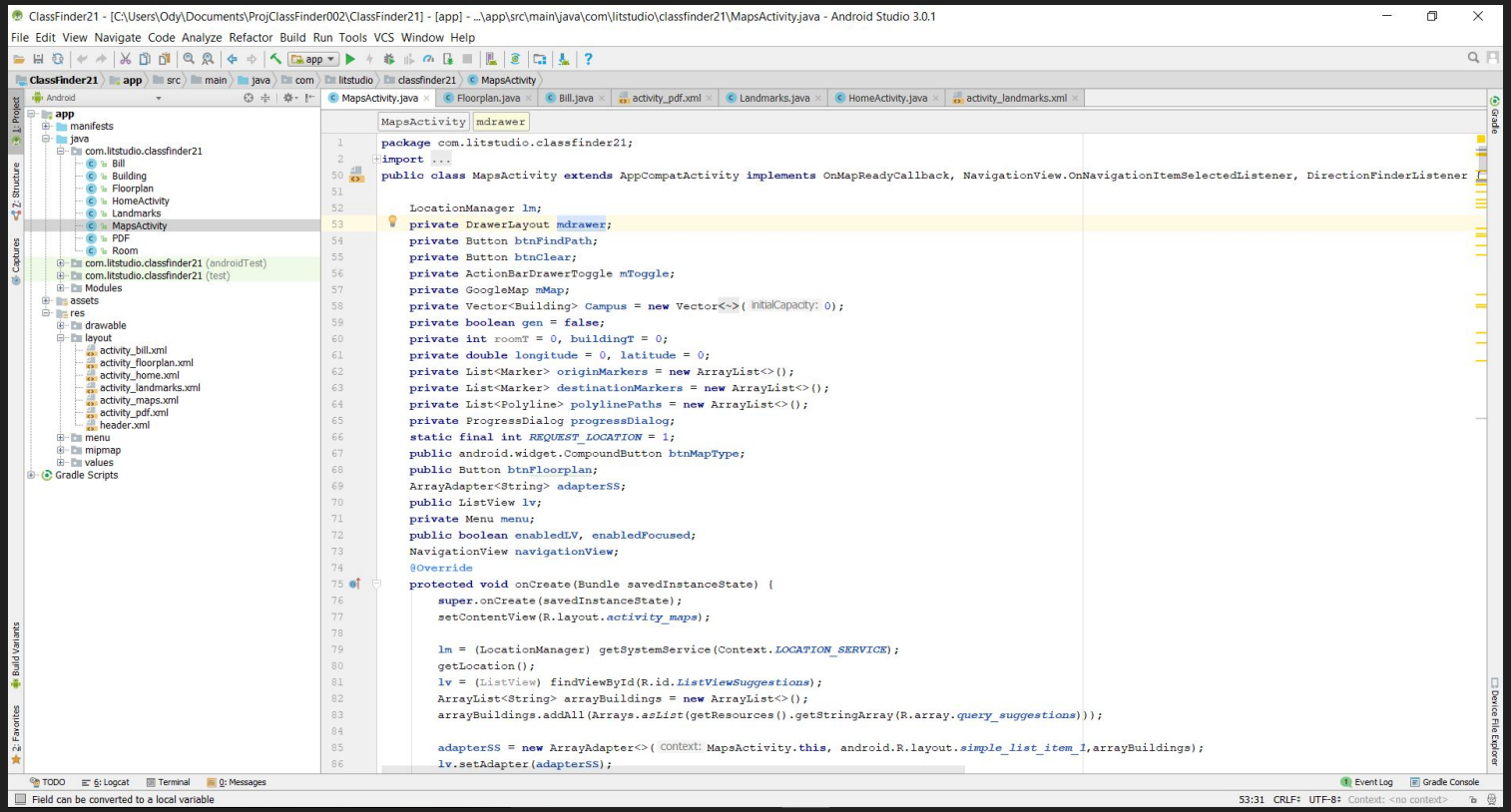

*Untitled Document 1 - gedit
File Edit View Search Tools Documents Help
Open
Save
Undo
*Untitled Document 1
Plain Text
Tab Width: 8
Ln 1, Col 1
INS

XCODE

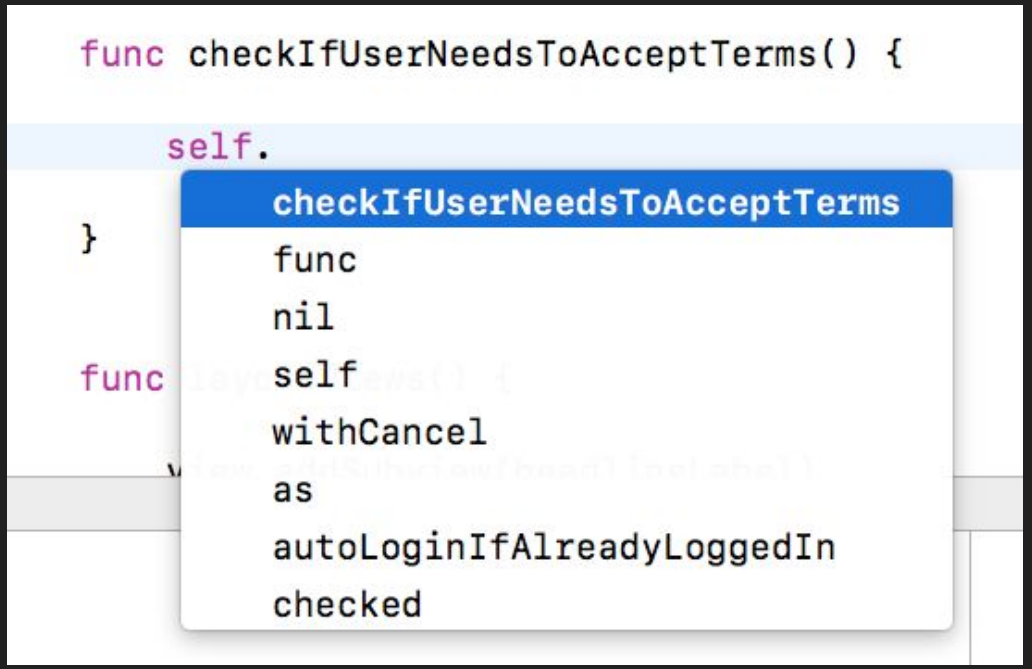

NetBeans


PC

IDE


ClassFinder21 - [C:\Users\Ody\Documents\ProjClassFinder002\ClassFinder21] - [app] - ...\app\src\main\java\com\litstudio\classfinder21\MapsActivity.java - Android Studio 3.0.1
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
MapsActivity.java
Floorplan.java
Bill.java
activity_pdf.xml
Landmarks.java
HomeActivity.java
activity_landmarks.xml
package com.litstudio.classfinder21;
public class MapsActivity extends AppCompatActivity implements OnMapReadyCallback, NavigationView.OnNavigationItemSelectedListener, DirectionFinderListener
LocationManager lm;
private DrawerLayout mdrawer;
private Button btnFindPath;
private Button btnClear;
private ActionBarDrawerToggle mToggle;
private GoogleMap mMap;
private Vector<Building> Campus = new Vector<>(initialCapacity: 0);
private boolean gen = false;
private int roomT = 0, buildingT = 0;
private double longitude = 0, latitude = 0;
private List<Marker> originMarkers = new ArrayList<>();
private List<Marker> destinationMarkers = new ArrayList<>();
private List<Polyline> polylinePaths = new ArrayList<>();
private ProgressDialog progressDialog;
static final int REQUEST_LOCATION = 1;
public android.widget.CompoundButton btnMapType;
public Button btnFloorplan;
ArrayAdapter<String> adapterSS;
public ListView lv;
private Menu menu;
public boolean enabledLV, enabledFocused;
NavigationView navigationView;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_maps);
lm = (LocationManager) getSystemService(Context.LOCATION_SERVICE);
getLocation();
lv = (ListView) findViewById(R.id.ListViewSuggestions);
ArrayList<String> arrayBuildings = new ArrayList<>();
arrayBuildings.addAll(Arrays.asList(getResources().getStringArray(R.array.query_suggestions)));
adapterSS = new ArrayAdapter<>(context: MapsActivity.this, android.R.layout.simple_list_item_1,arrayBuildings);
lv.setAdapter(adapterSS);
Field can be converted to a local variable

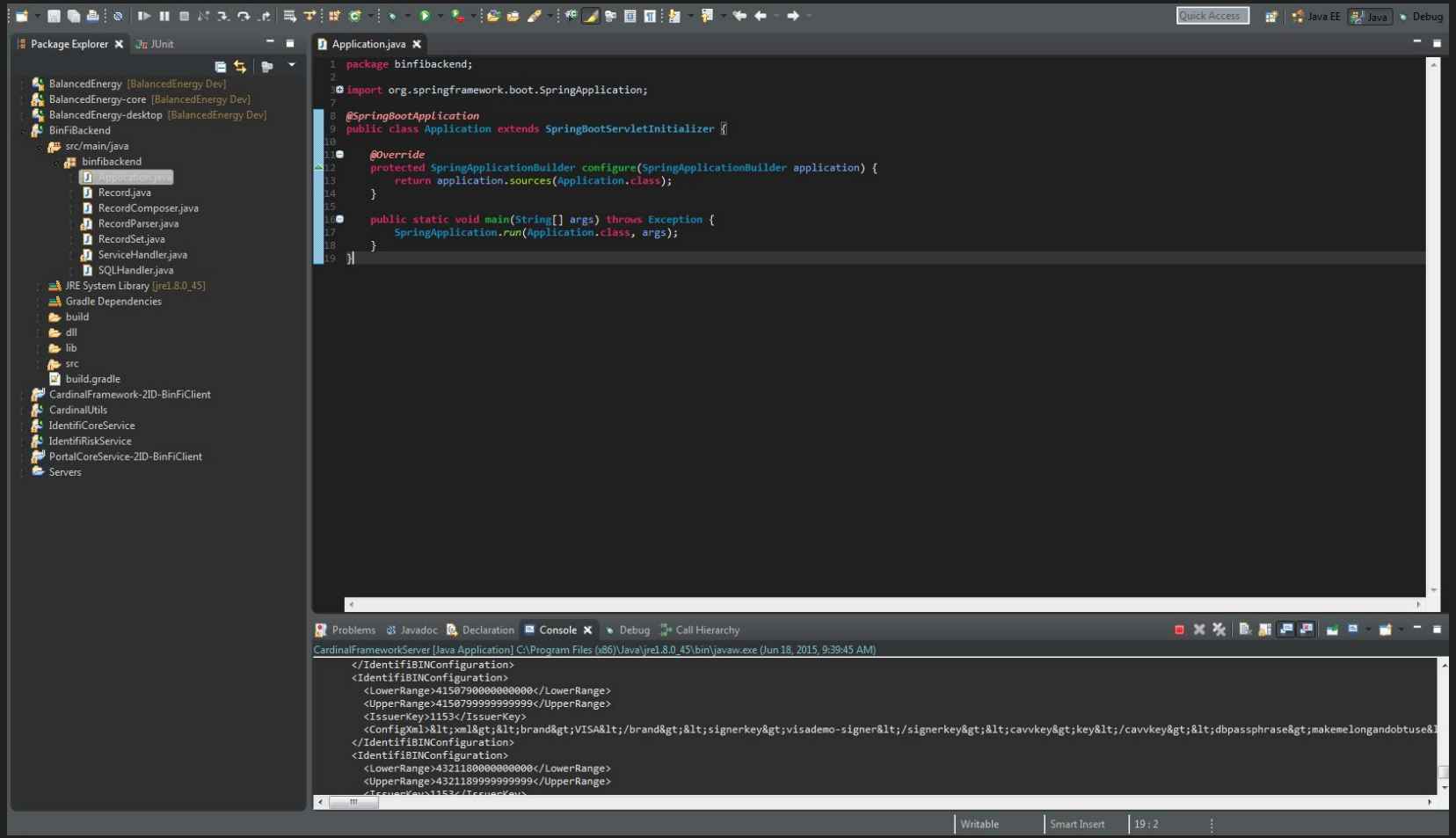
Intellisense



Real time Error checking

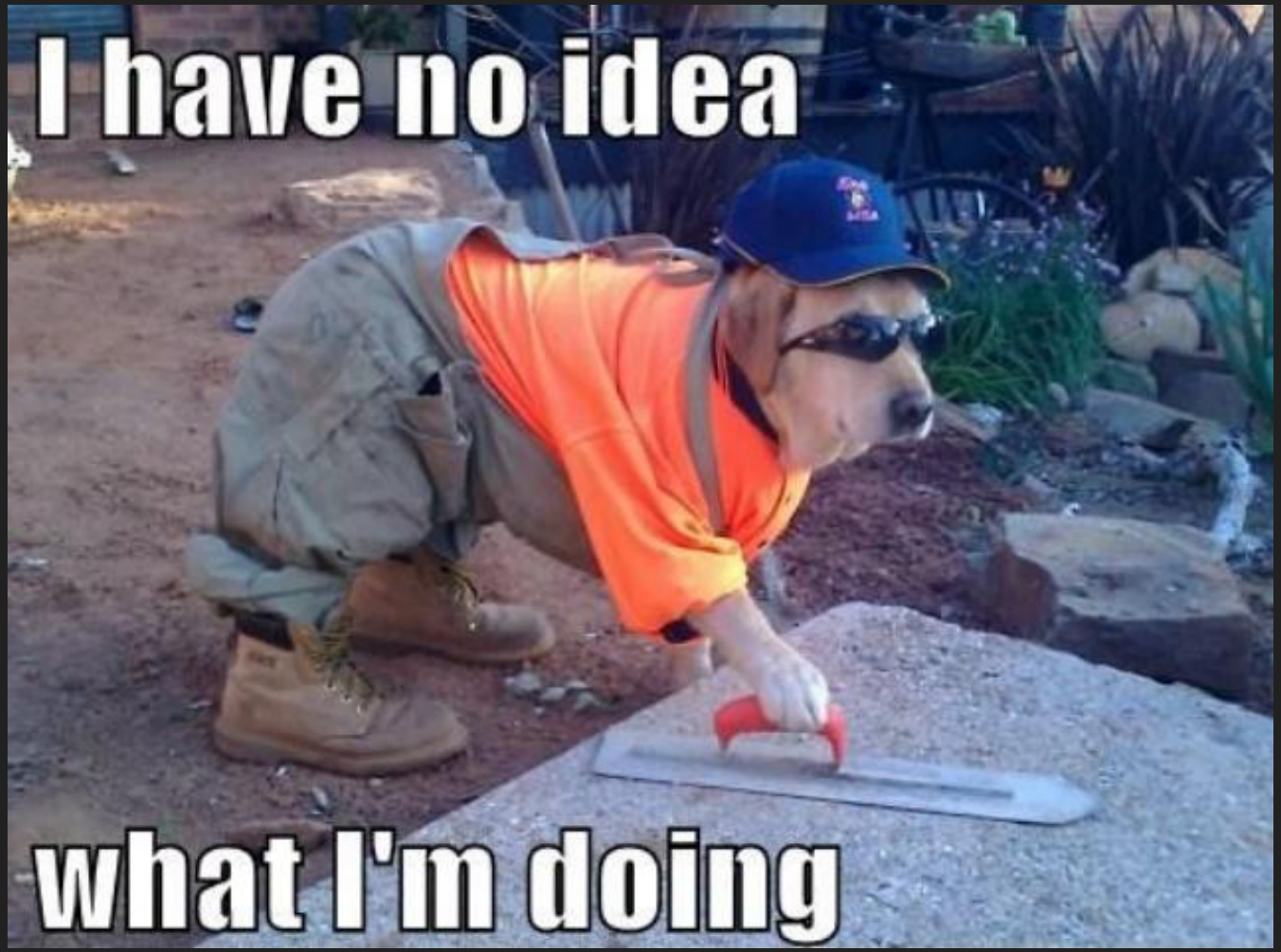
```
textBox1.Text = x
```

Integrated Compiler and Debugger


Package Explorer
JUnit
BalancedEnergy [BalancedEnergy Dev]
BalancedEnergy-core [BalancedEnergy Dev]
BalancedEnergy-desktop [BalancedEnergy Dev]
BinFiBackend
src/main/java
binfibackend
Application.java
Record.java
RecordComposer.java
RecordParser.java
RecordSet.java
ServiceHandler.java
SQLHandler.java
JRE System Library [jre1.8.0_45]
Gradle Dependencies
build
dll
lib
src
build.gradle
CardinalFramework-2ID-BinFiClient
CardinalUtils
IdentifiCoreService
IdentifiRiskService
PortalCoreService-2ID-BinFiClient
Servers
Application.java
1 package binfibackend;
2
3 import org.springframework.boot.SpringApplication;
7
8 @SpringBootApplication
9 public class Application extends SpringBootServletInitializer {
10
11 @Override
12 protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {
13 return application.sources(Application.class);
14 }
15
16 public static void main(String[] args) throws Exception {
17 SpringApplication.run(Application.class, args);
18 }
19 }
Problems
Javadoc
Declaration
Console
Debug
Call Hierarchy
CardinalFrameworkServer [Java Application] C:\Program Files (x86)\Java\jre1.8.0_45\bin\javaw.exe (Jun 18, 2015, 9:39:45 AM)
</IdentifiBINConfiguration>
<IdentifiBINConfiguration>
<LowerRange>4150790000000000</LowerRange>
<UpperRange>4150799999999999</UpperRange>
<IssuerKey>1153</IssuerKey>
<ConfigXml><xml><brand>VISA</brand><signerkey>visademo-signer</signerkey><cavvkey>key</cavvkey><dbpassphrase>makemelongandobtuse&l
</IdentifiBINConfiguration>
<IdentifiBINConfiguration>
<LowerRange>4321180000000000</LowerRange>
<UpperRange>4321189999999999</UpperRange>
Writable
Smart Insert
19 : 2

Vim

WHOAH. I KNOW VIM.


I have no idea
what I'm doing

Vim

XCode

YOU LOOK LIKE YOU
NEED AN APPLE
imgflip.com

XCode

Visual Studio

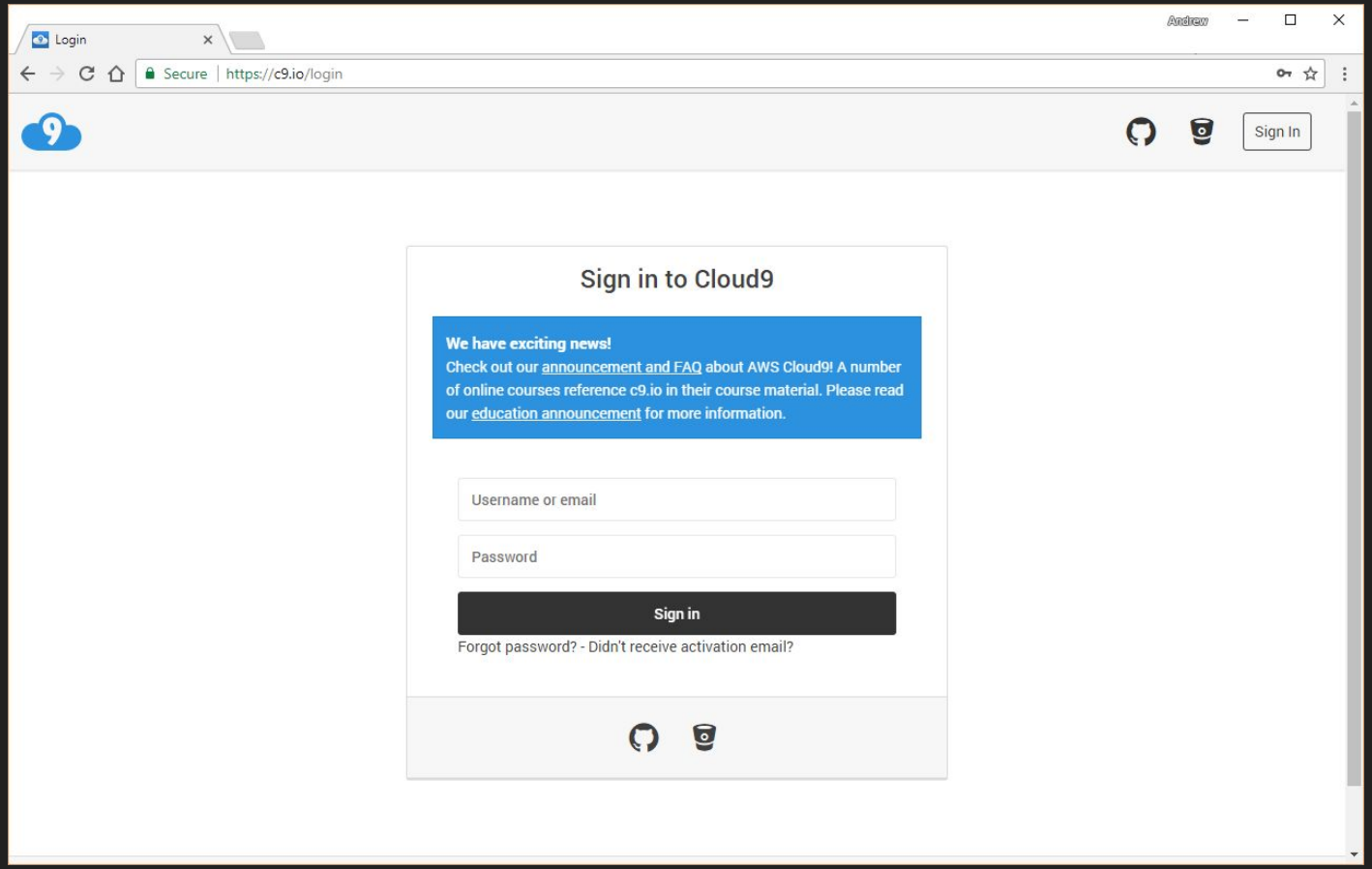
VsVim

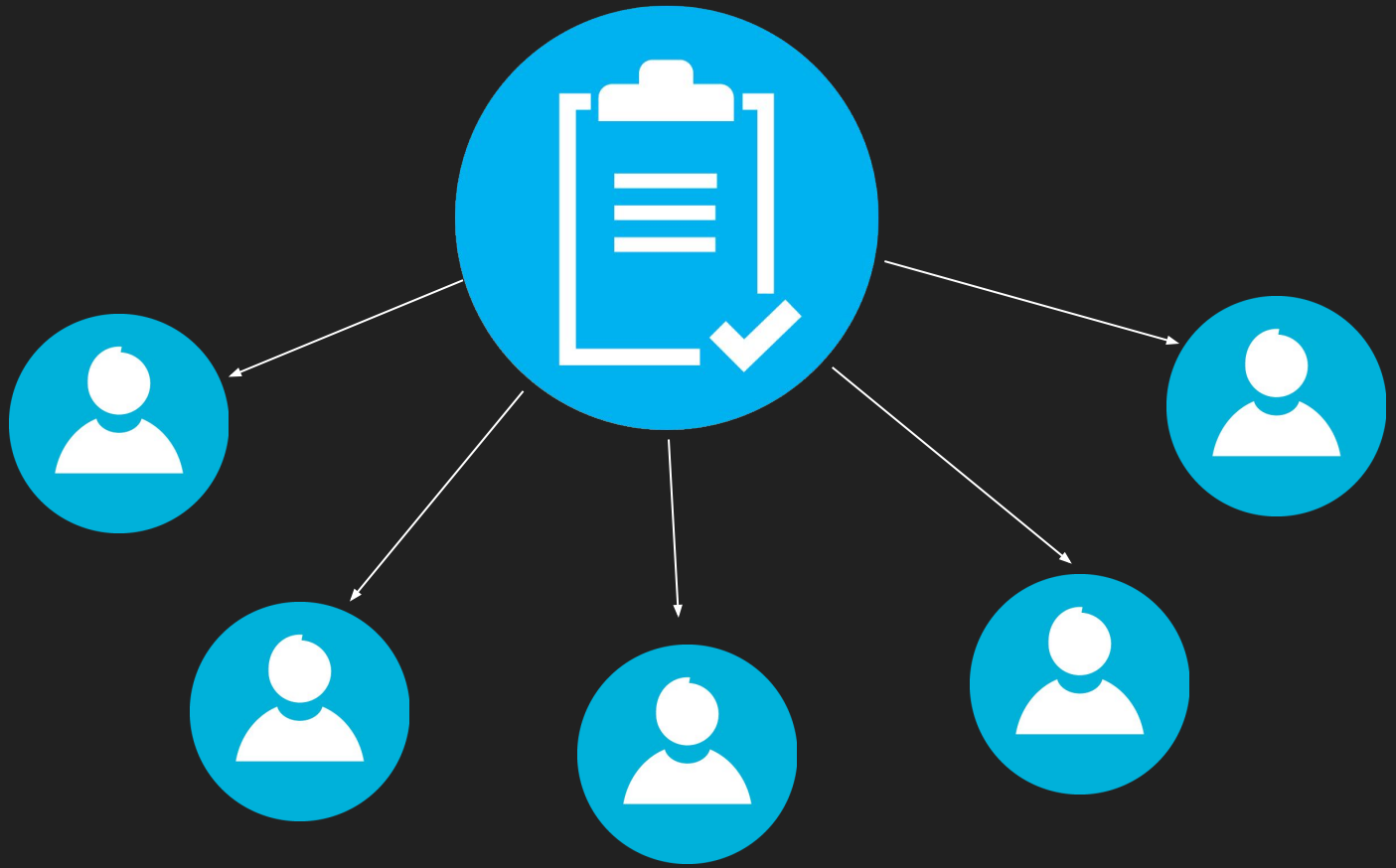
Arduino

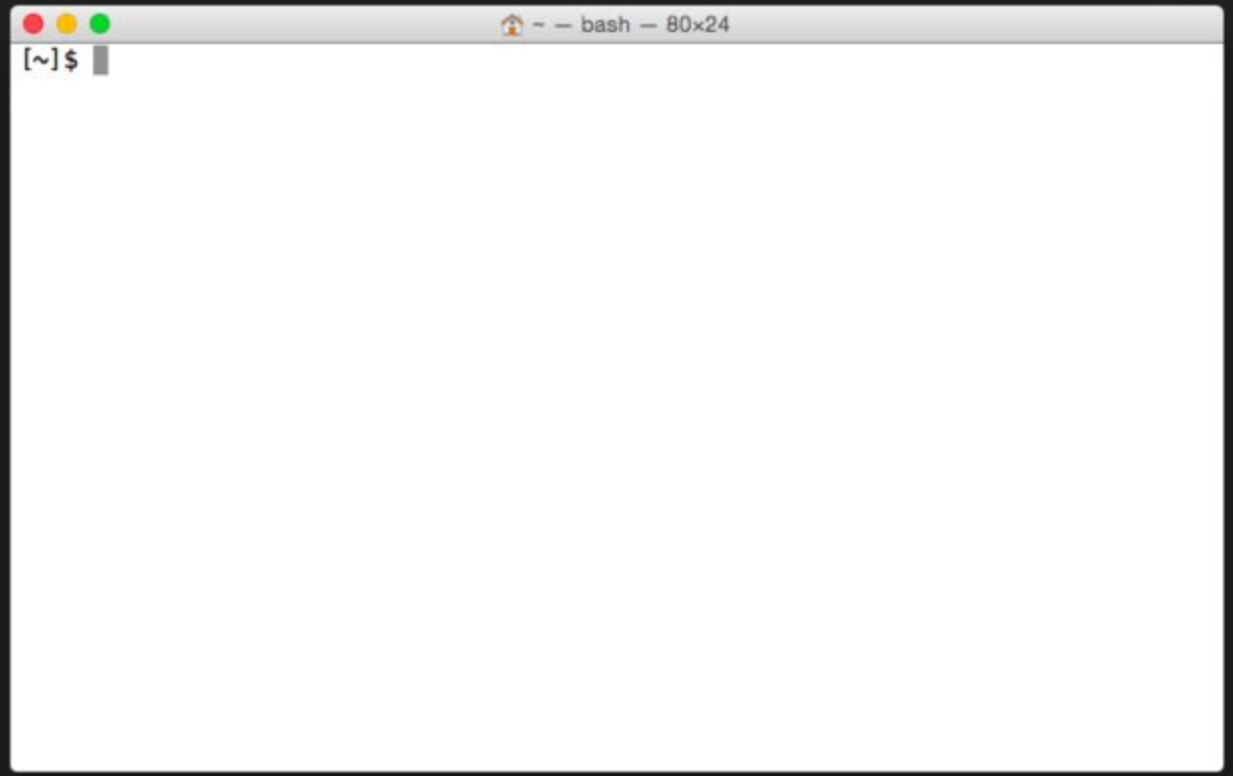
Visual Studio

Cloud9

ISN'T THE HERO WE DESERVE
,
BUT THE HERO WE NEED


Login
Andrew
Secure | https://c9.io/login
Sign In
Sign in to Cloud9
We have exciting news!
Check out our announcement and FAQ about AWS Cloud9! A number of online courses reference c9.io in their course material. Please read our education announcement for more information.
Username or email
Password
Sign in
Forgot password? - Didn't receive activation email?




~ — bash — 80×24
[~]$

Cloud9