Please make sure you have the Ultimate version of IntelliJ IDEA 2016.3 or higher installed.

If you don't have a copy of IntellJ IDEA Ultimate you can apply for a free student licence from the following link: <a href="https://www.jetbrains.com/student/">https://www.jetbrains.com/student/</a>

You also need to have JDK 8 installed.

To install and run the semantic spreadsheets in IntelliJ IDEA:

- First make sure that the Scala plugin is installed.
- If not, click on Configure -> plugins
- Click on "install JetBrains Plugin..."



• In the menu that appears search for Scala and click install

Browse JetBrains Plugins		^
Q.	💋 🖸 Category: All 👻	D
	Sort by: name 🔻	LANGUAGES
ReStructuredText Support	37,755 ***	Scala
LANGUAGES	3 years ago	★★★★☆ 5246690 downloads
Ruby	746,382 ****	Updated 12/13/2016 v2016.3.5
LANGUAGES	one week ago	The Scala plugin extends IntelliJ IDEA's toolset with
🕳 Scala	5,246,690 ****	support for Scala, SBT, Scala.js, Hocon, and Play Framework. Support for Scala, SBT and Hocon is
LANGUAGES	2 weeks ago	available for free in Intellij IDEA Community Edition, while
Settings Repository	30,760 ★★☆★★	in Intellij IDEA Ultimate.
TEAMWORK	2 months ago	Vendor
Slim	38,288 ****	JetBrains http://www.jetbrains.com
LANGUAGES	6 days ago	Plugin homepage
Snake	9,627 ****	http://www.jetbrains.
FUN STUFF	one year ago	Size
Switch Structure	7,847 *****	49.9 M
NAVIGATION	10 years and	
HTTP Proxy Settings		
		- Church
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or uncheck a plugin to enable or dis	able it.	
Il JetBrains plugin Browse r	epositories	uain from disk

- Wait for the plugin to be installed
- Go back to the main menu and select "Import Project"
- Select the repository directory

Uvelcome to I	ntelli) IDEA — 🗌 🗄
	Select File or Directory to Import
	Select directory with <b>existing sources</b> , <b>Eclipse</b> project (project) or classpath (classpath) file, <b>Maven</b> project file (pom.vm), <b>Bnd/Bndtools</b> workspace (workspace(xnf), <b>Flash Builder</b> project file (project *fsp, *fsp), <b>Gradie</b> build script (*grade),
	🕆 🗂 🐂 🖿 🔁 🗙 🂶 Hide path
	C:\Users\Behzad\Desktop\semantic-spreadsheets
	semantic-spreadsheets
	Tor Browser
	android studio.lnk
	Drag and drop a file into the space above to quickly locate it in the tree
	OK Cancel Help
	🌞 Configure 👻 Get Help

• In the "import project" menu select "import project from external model" and then select "SBT"

16	🗱 Import Project X	
	○ Create project from existing sources	
😫 Weld	• Import project from external <u>m</u> odel	X
	© Eclipse III flash builder ⊙ Gradle /// Maven Stit	
		Help 👻
	Previous Next Cancel Help	

• Change "Project SDK" to your locally installed java SDK

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😫 Import Projec	t ×
SBT project:	C:/Users/Behzad/Desktop/semantic-spreadsheets
Use auto-in	nport
Create direc	tories for empty content roots automatically
Download:	✓ Sources □ Javadocs □ Sources for SBT and plugins
Project SDK:	<b>1.8</b> (java version "1.8.0_45")
Project format:	.idea (directory based)
Global SBT sett	ings
	Previous Finish Cancel Help

• In "SBT Project Data To Import" select both "root" and "root-build" folders

Malcama ta Intelli I IDEA				
Welcome to Intello IDEA				
😫 s	BT Project Data To Import	×		
Pleas	se select the modules/data to include	in the		
	🗹 📲 root (root module)			
	🗹 🐂 root-build			
	🔲 鮿 🥊 Select Required			
2 Mc	odules. 2 selected			
	OK	Cancel		
		curreer		
			🕸 Configure 🛪	Get Help 💌
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- After the import is done go to file -> Setting
- Under "Languages & frameworks" select "Play2"
- In the "Play2" menu check "Use Play 2 compiler for this project"

😫 Settings				×
(Q	$\supset$	Languages & Frameworks > Play2 II For cur	rent project	Reset
▶ Editor		Compiler Routes Other		
Plugins		Use SBT Watcher		
Version Control		🗾 Use Play 2 compile	for this project	
Build, Execution, Deployment	ent	Don't compile the project within IDEA before run		
▼ Languages & Frameworks		Plav2 module:	Module: 'root'	
JavaScript	•	Project uni		
Play Configuration	•	Project un.		
Schemas and DTDs	6	Additional SBT options:		
JavaFX				
Markdown				
Node.js and NPM	•			
OSGi	6			
OSGi Framework Instances				
Play2	Ø			
Scala	•			
Scala Compile Server				
SQL Dialects	•			
Stylesheets	6			
Template Data Languages	0			
TypeScript	•			
Web Contexts	•			
XSLT				
XSLT File Associations	•			
			OK Cancel Apply He	p

- Hit Ok, and go back to the main page
- From the "Build" menu select "Rebuild project"
- Project must be built successfully with some warnings but no errors
- To run the project select "run" from "run" menu
- In the run menu that appears select "edit Configurations..."

	Run
	0. 🔀 Edit Configurations
	2. In root 3. ScalaTests in 'semantic-spreadsheets' ►
26	Hold Shift to Debug

• Click on the plus button on the top left corner to add a new configuration (alternatively you can hit Alt+Insert)

📜 Run/Debug Configurations		×
Add New Configuration (Al	Insert) Press the + button to create a new configuration based on default settings	
	Confirm rerun with process termination Temporary configurations limit: 5	
	Run Cancel Apply He	elp

• In "Run/Debug Configurations" menu select "Play 2 App"

😫 Run/Debug Configurations		×
+ - D % ↑ + ■ ↓3	ss the 🕇 button to create a new configuration based on default settings	
JUnit		
K Kotlin		
Kotlin (JavaScript - experimental)		
Kotlin script		
🌼 Maven		
💿 Mocha		
🔞 Node.js		
Prode.js Remote Debug		
🕼 Nodeunit		
🔟 npm		
🕼 NW.js		
Play 2 App		
Protractor		
🛞 React Native		
Remote		
SBT Task		
属 Scala Console		
🐺 Scala Script	Confirm rerun with process termination	
ScalaTest		
Specs2	mporary configurations limit: 5	
	Run Cancel Apply He	р

😫 Run - Unnamed		×
+ - 🗈 🛠 🕂 🖿 🐙	Name: Unnamed	Single instance only
🔻 🔰 Play 2 App	Open in browser:	
Unnamed	Open in browser after compil	ation
▶ Pefaults	Url To Open:	http://localhost:9000
	JVM Options:	ssUnloadingEnabled -XX:MaxPermSize=256M
	Environment variables	
	Use non-default Play 2 install dir	
	Debug Port	9999
	Enable auto-reload	
	Play2 Module:	<no module=""> 🔻</no>
	Before launch: Build. Activate tool win	dow
	$+ - \nearrow + \downarrow$	
	↓ 🖞 Build	
	🗌 Show this page 🗹 Activate to	ol window
		Run Cancel Apply Help

• An "unnamed" configuration will be added to run menu under "Play 2 app"

- Hit "Run" and wait for IntelliJ to run the app.
- If the browser is not automatically opened, open the browser and go to address "localhost:9000" where you should be able to see Project's login page.
- You can login with any username and password

