

Installation Guide

Last Revised 5/9/2016

- Must have Android SDK 23 installed and included in SDK Directory.
- IntelliJ/WebApp Run Configuration
 - Edit Configurations
 - Name: Login
 - Main class: com.androidpv.java.gui.LoginGui
 - Apply, Ok
- Xposed Module
 - Install APK
 - [de.robv.android.xposed.installer_v33_36570c.apk](#)
 - Root device
 - Genymotion emulators are rooted by default
- MySQL Database
 - Make sure that the membership.sql file is downloaded on your computer. It should be under ../Website/database/membership.sql
 - Navigate to localhost/phpmyadmin
 - Create a new database and name it membership.
 - Once you have made the database, press on the button that says "import"
 - When it asks you to upload a file use the membership.sql that you have downloaded.
 - Once pressing OK, the database should be repopulated and ready to be used.
- XAMPP
 - Install XAMPP
 - <https://www.apachefriends.org/index.html>
 - To run, start XAMPP and select Manage Servers
 - Start MySQLDatabase and Apache Web Server. These must be running when using the app
 - Navigate to xamppfiles/htdocs/ and create a softdev folder.
 - Copy and paste everything from android_PV/Code/Website into XAMPP/xamppfiles/htdocs/softdev
- Web browser – PDF and CSV downloads will only work on Google Chrome
 - Note – for lots of data, will take significant time to load

Step-by-Step Guide

Last Revised 5/9/2016

1. Connect or start Android device or emulator.
2. Start XAMPP. Start MySQLDatabase and Apache Web Server.
3. Ensure Java app configurations are correct. Must be set to LoginGui.
4. Start Java application.

5. Enter username and password. Create new user if necessary. Corresponds with website.
6. Enter main source directory/package name(s). Multiple package names must be separated by semicolons.
7. Select an APK to install on device. This field is optional.
8. Select SDK directory.
9. Select ADB directory.
10. Select Parse. App will build module and report back when complete.
11. Switch views when prompted.
12. Select XposedInstaller app on your device. Go to Modules. Ensure that XposedModule is checked.
13. Restart device.
14. Use app/device as desired.
15. Select Stop Data when finished testing. Report will appear on Data Submit page
 - a. User will be informed of any errors. If there are errors, data will not be submitted to database. User must select Back and restart.
16. Select Send Data if no errors appear. Data is now available on webapp.
17. Navigate to <http://localhost/softDev/index.php>. Use Google Chrome.
18. Login with same username and password as entered in Java app.
19. User can analyze details of a given application and trace by selecting View Details.
 - a. Rendering will be different on PCs and Macs. Will work best on PCs. For Macs, may need to zoom out to view full detail on Charts page.
20. Apps can be renamed by double clicking on app name.
21. On Charts page, selecting individual methods in Pie Chart legend will reconfigure chart to exclude said method. May take time if lots of data.