

MODE 4201

Lab 2 – Part 3

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Tool Name	MIT App Inventor
Platform	Develop Apps for Android
Application Development Type	Type: Native App, Web App Advantages: Easy to use, good for novices, powerful Disadvantages: Not as scalable as alternatives, not as customizable
Website	<a href="https://appinventor.mit.edu">https://appinventor.mit.edu</a>
Developers	Hal Ableson
Release Date	Dec 15 2010
License	<a href="https://appinventor.mit.edu/about/termservice">https://appinventor.mit.edu/about/termservice</a> Creative Commons Attribution ShareAlike 3.0 Unported, Apache 2.0
Price	Free
Programming Languages	Java, Kawa, Scheme
Features	Develop Mobile apps and teach learning strategies to tackle common development problems
Debugger	Yes
Built-In-Emulator	Yes
Host Machine Requirements in terms of Hardware	<p>Computer:</p> <ul style="list-style-type: none"> <li>- Macintosh (with Intel processor): Mac OS X 10.5, 10.6+</li> <li>- Windows: Windows XP, Windows Vista, Windows 7+</li> <li>- GNU/Linux: Ubuntu 8+, Debian 5+ (Note: GNU/Linux live development is only supported for WiFi connections between computer and Android device.)</li> </ul> <p>Browser:</p> <ul style="list-style-type: none"> <li>- Mozilla Firefox 3.6 or higher (Note: If you are using Firefox with the NoScript extension, you'll need to turn the extension off. See the note on the troubleshooting page.)</li> <li>- Apple Safari 5.0 or higher</li> <li>- Google Chrome 4.0 or higher</li> <li>- App Inventor does not support Microsoft Internet Explorer. Windows users should use Chrome or Firefox</li> </ul> <p>Mobile:</p> <ul style="list-style-type: none"> <li>- Android Operating System 2.3 ("Gingerbread") or higher</li> </ul>

IDE	Yes
Software	Web-Browser or Application (Depends on Device)
Advantages	See Application Development Type
Disadvantages	See Application Development type
Language Availability	Many Options
Uploading and Selling an App	Depends on where the app goes
Third-Party Emulator	You can use android emulators to run the android app on them
Market Share	NA
Number of Apps	Nearly 22 Million
Number of Downloads/Users	400K active monthly users

## References

MIT App Inventor. (n.d, n.d n.d). *MIT App Inventor*. Retrieved from MIT App Inventor:  
<https://appinventor.mit.edu>

Patton, E. W. (2019, MAy 3). *MIT App Inventor: Objectives, Design, and Development*. Retrieved from Springer Link: [https://link.springer.com/chapter/10.1007/978-981-13-6528-7\\_3#:~:text=MIT%20App%20Inventor%20is%20an,language%20to%20program%20application%20behavior](https://link.springer.com/chapter/10.1007/978-981-13-6528-7_3#:~:text=MIT%20App%20Inventor%20is%20an,language%20to%20program%20application%20behavior).

sneh19337. (2022, Oct 02). *Geeks for Geeks*. Retrieved from What is MIT App Inventor:  
<https://www.geeksforgeeks.org/what-is-mit-app-inventor/>

Wikipedia Users. (2022, Sep 10). *App Inventor for Android*. Retrieved from Wikipedia:  
[https://en.wikipedia.org/wiki/App\\_Inventor\\_for\\_Android](https://en.wikipedia.org/wiki/App_Inventor_for_Android)