

Tablet Programming Environment



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Introduction

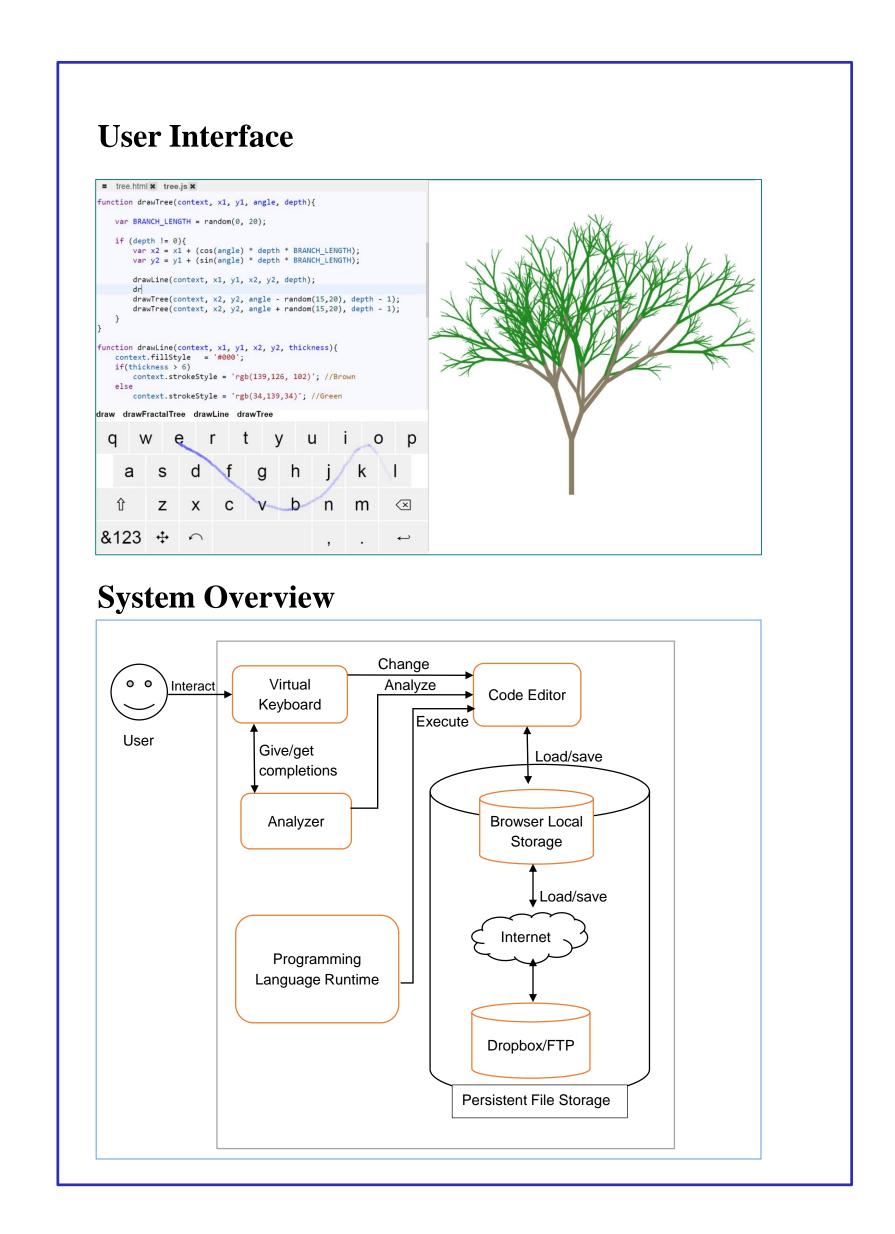
The goal of this project is to create a programming environment for mobile devices (tablets, smartphones) so that users benefit from the portability of mobile devices and can write code everywhere.

Features

- 1. Context-aware Virtual Keyboard
 - 1. Code Completion
 - 2. Swipe Gesture Input
- 2.Runs on different mobile platforms
 - 1. Android
 - 2. Windows
 - 3. iOS
- 3. Support editing and executing multiple Programming Languages
 - 1. HTML

4. Python

- 2. Javascript
- 3. CSS
- 5. Processing
- 6. Easily extensible to support more...
- 4.Remote File Storage
 - 1. Dropbox
 - 2. FTP Server



Implementation

Code Completion

- Static code analysis using third-party library
- Pre-defined reserved word dictionary

Swipe Gesture Input

- \$1 Gesture Recognizer



Front-end

- Web app using HTML5, CSS3, Javascript
- Responsive Web Design
- CodeMirror Editor
- Javascript implementation of Python and Processing languages
- Offline accessible once cached in browser

Enjoy Coding on the go using your mobile devices!