Touchqode



- Touchqode is an IDE for use on your android phone
- Features
 - Syntax highlighting
 - Code suggestions
 - Incremental search
 - Developer keyboard
 - File synchronization



Java, C++, Python, Ruby, HTML, Javascript

Mobile IDE



- Programming using your mobile phone is ...
 - Cool idea!
 - But why would I want to do it?



Emergency



What do you mean by "I am away from computer"?



Commute

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Do you think you could take out your **laptop** here?





private int[] quicksort(int[] list, int start, int end) if (start < end)</pre> { int pivot = (int)((new Random()).nextDouble() int temp = list[pivot]; al al



Developing mobile IDE



Considerations

- Reduce number of potential actions by using vim-like modes (View, Edit, Search)
- Make keyboard deterministic
- Navigate quickly within file and between files
- Keep files in sync
- Make a lot of simple pieces work together





Code suggestions or autocomplete

- JavaCC Parser
- SQLite database
- Prefix tree



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Syntax highlighting and Incremental search

- EditText
 - + CharacterStyle
- ANTLR Lexer
- java.util.Scanner

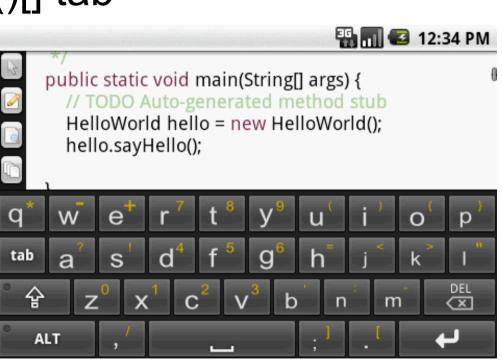


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Custom keyboard

- Modified Soft Keyboard example
- Custom images
- special characters ;,()[] tab
- ALT is a nightmare



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Intent filter

- Supported intents
 - Intents VIEW, EDIT, PICK
 - Mime type "text/*"
- Works great with dropbox and any other synchronization service



What's next?

- remote compilation
- project workspace
 - autocomplete of imported classes
 - fuzzy class search
- improved autocomplete
- easier synchronization



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Know more





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Programmer Keyboard

