



ReTouch

Group 7 - ReTouchers
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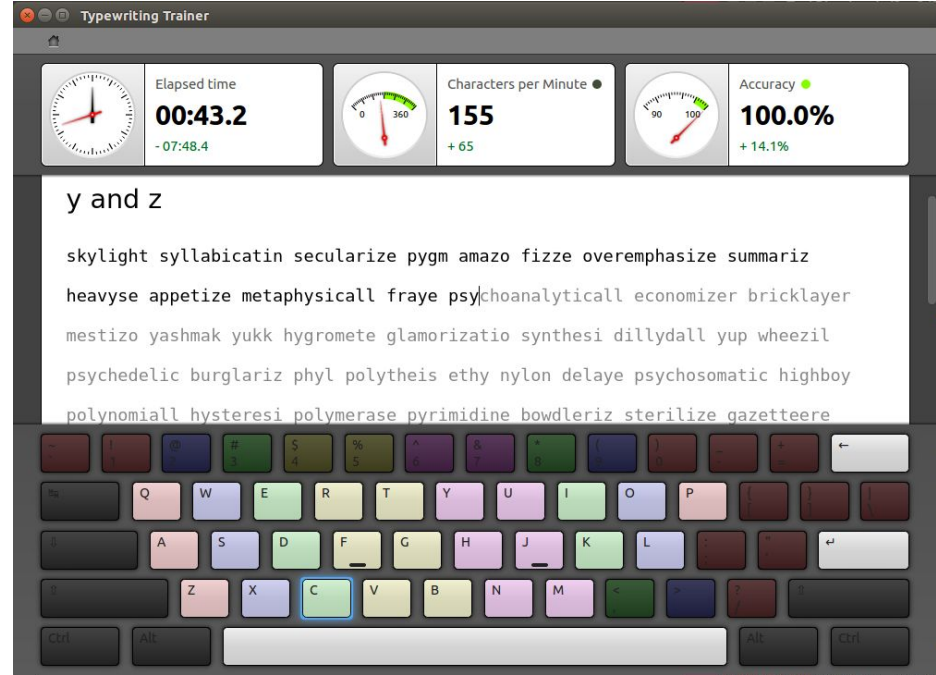


Overview

- Having good typing skills is vital
- ReTouch helps a user improve their typing speed & accuracy
- Target demographics:
 - Students
 - Professionals
- Implemented in Java
- Executable on all major operating systems
- 5 different lessons

Original Idea: KTouch

- Implemented in C++
- Lagging is major problem
- Busy interface
- Unintuitive

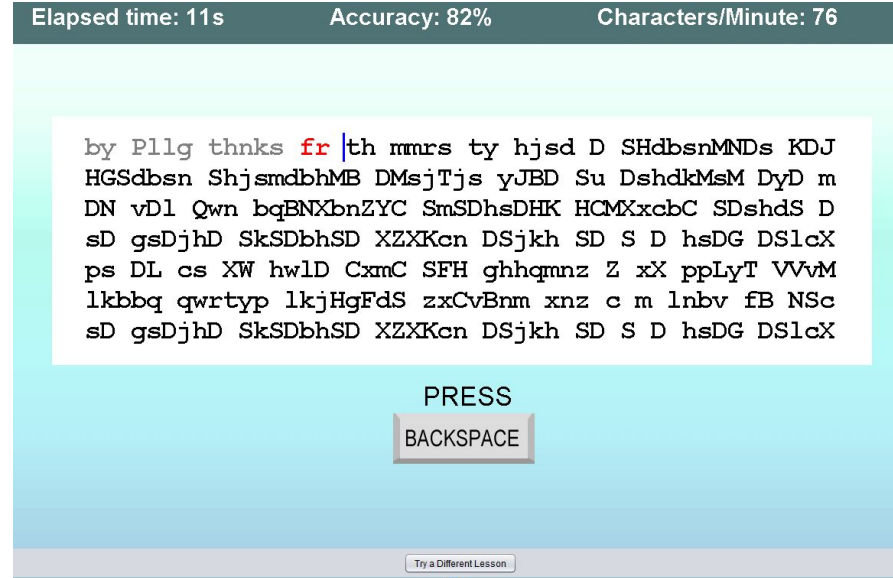


DEMO

KTouch + ReTouch

Key Features

- Portability
- User-friendliness: lagging, pop up buttons, simplified interface etc.
- Performance: response time



Usability Survey

Questions Asked:

- **On a scale of 1-5, how easy was it to use? (5 = easiest)**
 - Fit Criteria: 80% 4+ Results: 90.9% 4+
- **Which program was easier to use – KTouch or ReTouch?**
 - Fit Criteria: 80% Retouch Results: 90.9% ReTouch
- **Were you able to complete the lesson independently?**
 - Fit Criteria: 95% Yes Results: 100% Yes
- **Were you offended by anything in the program?**
 - Fit Criteria: 90% No Results: 100% No

Unit Testing

AssertJ

- AssertJ Swing: Java library for UI testing
 - Simulate User Interaction
- Fork of the Fest Assert library
- Goal = provide a rich set of assertions
 - Robust: Edge cases tested

Further Improvements

- Randomized text generation
- More lesson options
 - Additional character combinations
 - Numbers
 - Symbols
- Record high scores

Conclusion

- A responsive typing tutor with excellent performance
- Uses concurrent components
- Improved portability
- Improved user-friendliness

THANK YOU! Questions?