TypeScript: Final Report

Practical Course: Contributing to an Open-Source Project

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Outline

TypeScript revisited

TypeScript is

- a programming language

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- a programming language;
- a superset of JavaScript;
- a static type system;
- funded and developed by Microsoft;
- the second most loved programming language,
  according to the StackOverflow developer survey of 2020 [1].

Areas of contribution

My contributions were in the area of

- more accurate and concise error reporting;
- increased type safety;
- better type inference.

Contribution process

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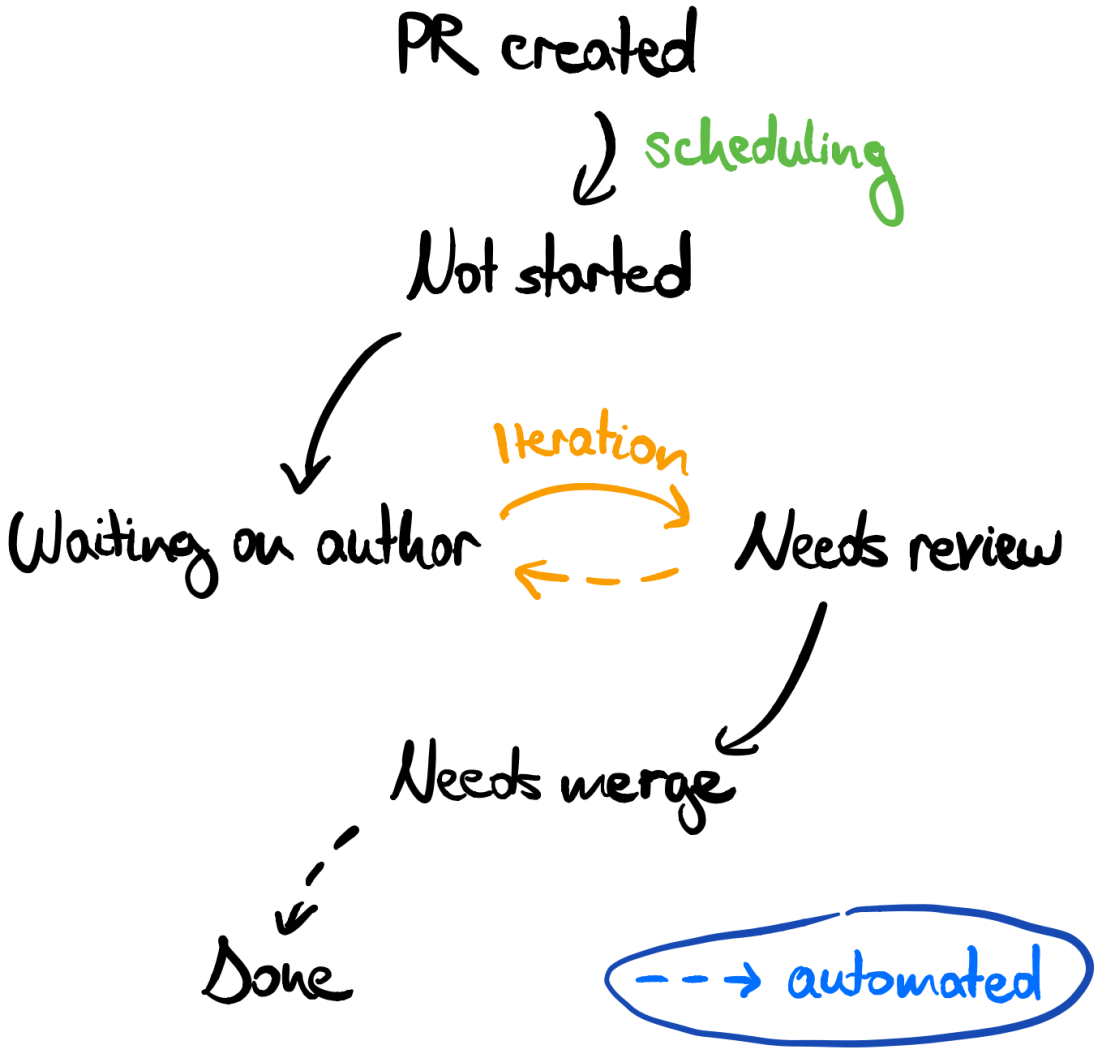

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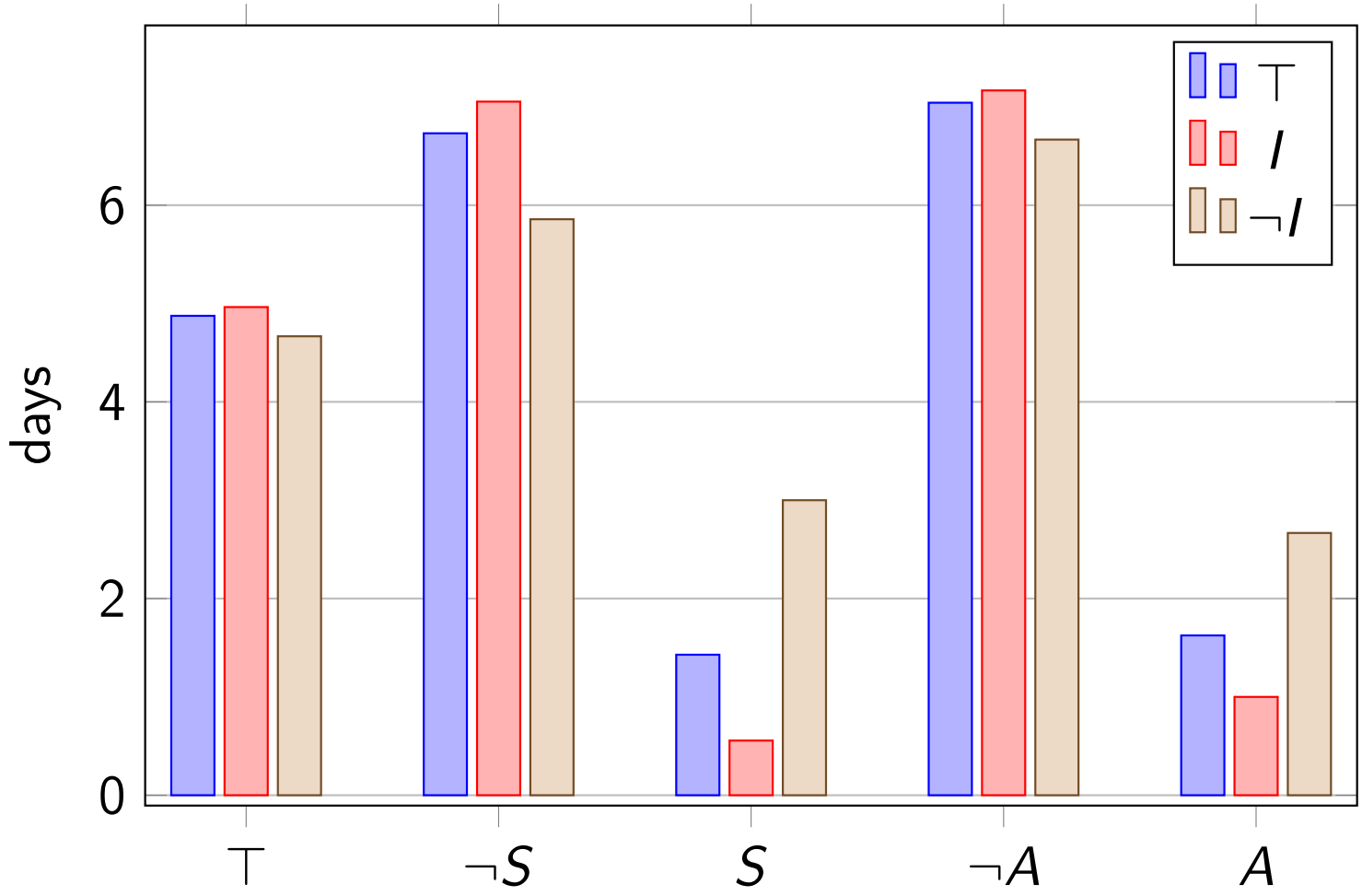
Time difference is measured in days.
The results are based on 40 responses.



Average response time by state

($\top \sim$ any, $S \sim$ scheduled, $A \sim$ assigned, $I \sim$ immediate)

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- Mentoring could be featured more prominently.
- Improve code structure, documentation, and test suite.
- Increase iteration speed by automating more elements of the contributing process.

Thank you.
Questions?

References I

[1] StackOverflow. *Stack Overflow Developer Survey 2020*. Feb. 2020. URL: https://insights.stackoverflow.com/survey/2020 (visited on 03/07/2021).