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Roadmap for Rust

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Basics

- Intro to Rust
- Variables
- Data Types
- Control Flow

Ownership & Borrowing

- Ownership System
- References
- Borrowing

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Modules & Packages

- Crates
- Modules
- Packages

Error Handling

- Result & Option Types
- Panic & Handling Errors

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Functions & Closures

- Defining Functions
- Closures
- Anonymous functions

Collections

- Vectors
- Strings
- Hashmaps
- Sets

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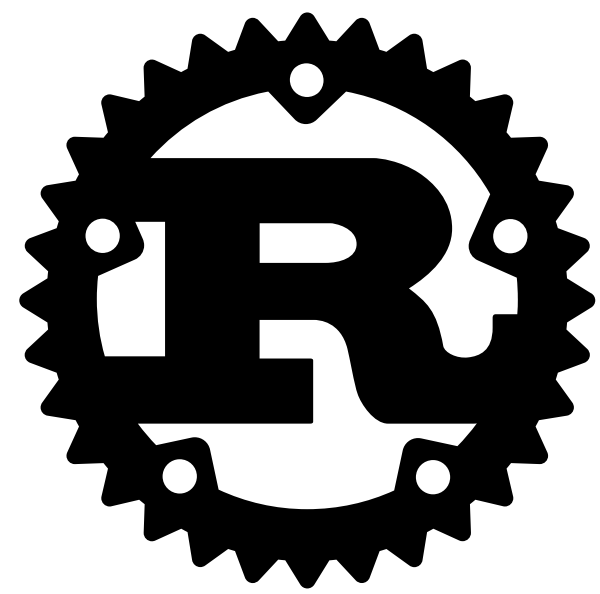
Advanced Concepts

- Lifetimes
- Traits
- Generics

Concurrency

- Threads
- Mutex
- Channels



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Macros

- Procedural Macros
- Declarative Macros

Unsafe Code

- Understanding & Using Unsafe blocks

Web Development

- Asynchronous Programming
- WebAssembly Basics

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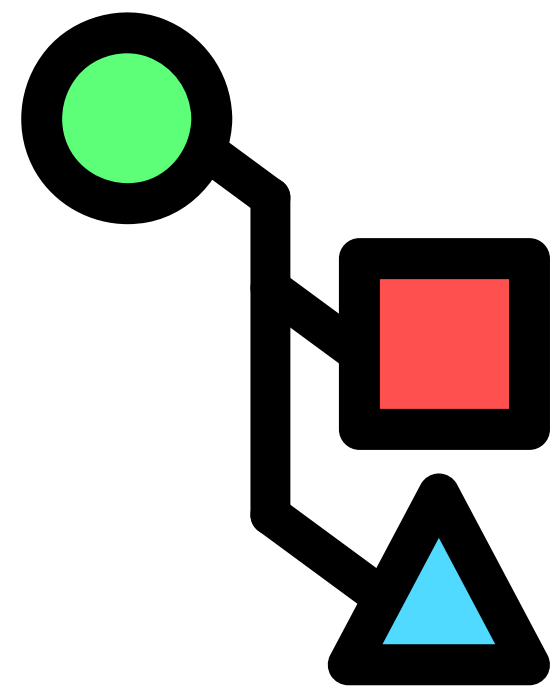
DSA

- Sorting Algorithms
- Linked lists, Trees, Graphs

Real-World Applications

- Building APIs
- Developing Interpreters
- Creating AI Tools



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Now, put your Rust skills into action by creating projects. Build a solid portfolio on GitHub, tackle coding challenges, and consider contributing to open source initiatives. This hands-on approach will turn your roadmap into practical expertise. Join our Telegram Channel for FREE Coding Resources @codehype

For detailed roadmap, visit 👇

https://roadmap.sh/rust

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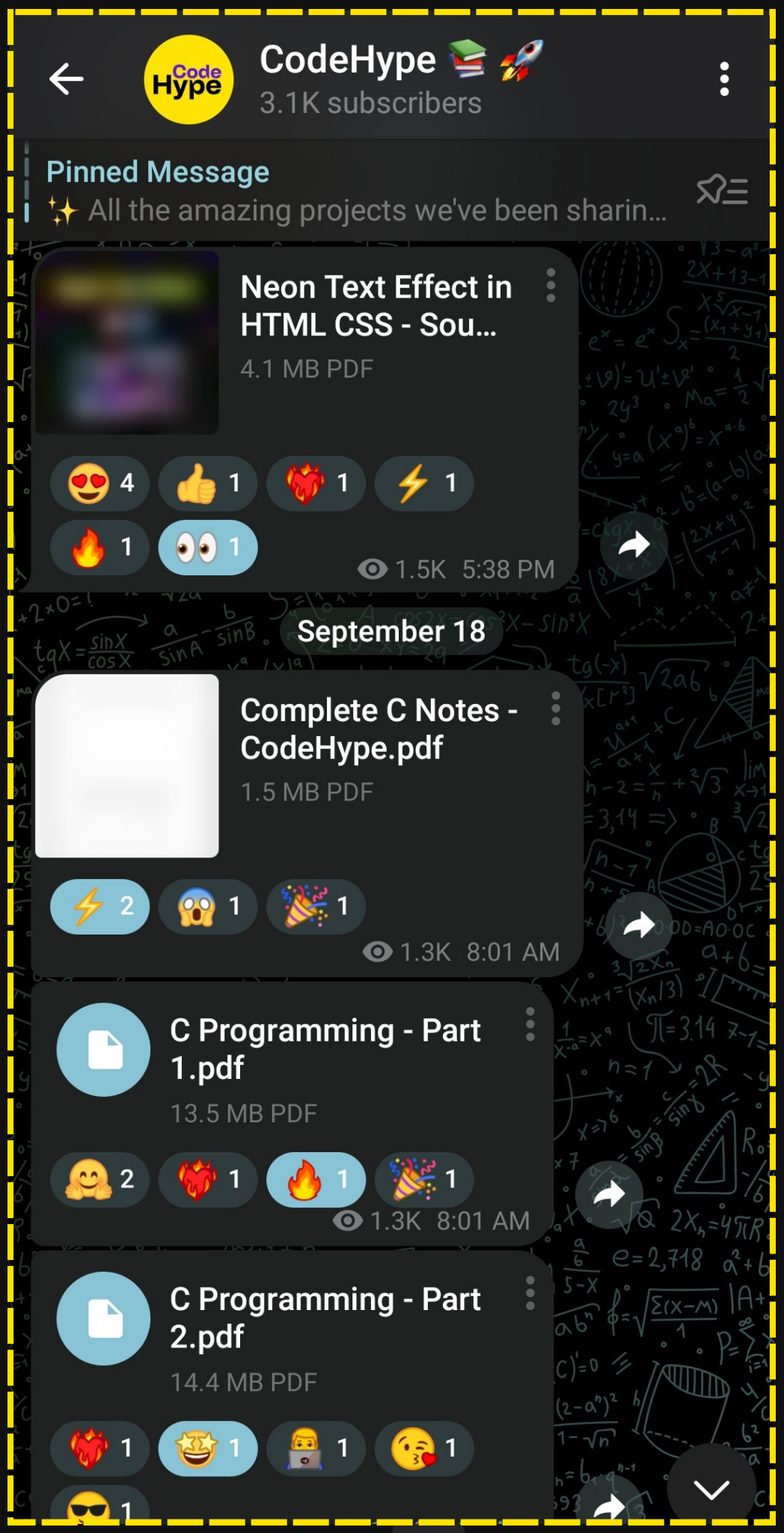
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