



# Code

aka The Engine

Code powers the end product and ensures it operates in accordance with the user experience architecture and technical requirements.

**OWNER:**



BACK-END DEVELOPER

**CONTRIBUTORS:**



FRONT-END DEVELOPER



TECH LEAD



PRODUCTION LEAD



TESTER

**DESCRIPTION:**

Code ensures that every user action produces the desired effect by translating features from the requirements definition into computer language. Computers require all features to be programmed in unambiguous detail. When code runs correctly, no one notices it; when it fails, it's the only thing that's noticed.

High quality code is the result of developers working with stable requirements, adequate planning, and sufficient time. It's detrimental for code—and the end product—to be rushed or changed frequently due to edits to the requirements or IA.

Where quality code is relatively easy to understand and maintain, bad code is so inscrutable that minor changes become big productions and updates require complete rewrites.

**SPECIAL CONSIDERATIONS:**

- Developers need lengths of uninterrupted time to produce quality code.
- Code reviews are a simple and proven way to reduce bugs.
- With that in mind: No code is bug free. Schedule and plan for bugs.
- Adding developers to reduce development time doesn't work. More developers will finish faster only when tasks are not interrelated. In other words, nine women can't have a baby in one month.

**LOCATION IN THE PROCESS:**

