

Code Critiquer

App Idea: Code Critiquer is a static analysis tool for finding common anti-patterns in user-submitted code snippets. Similar to grammar or plagiarism checkers in which users can submit either their full source code or erroring segments, and have the app respond with feedback pertaining to the found anti-pattern (bugs, errors, etc.) found within the given code.

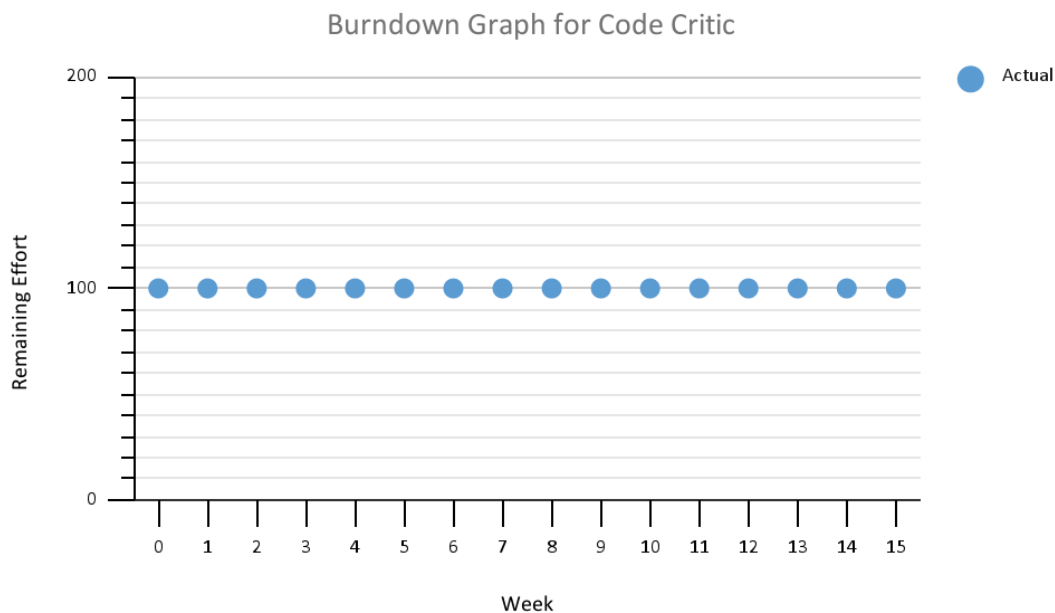
App Users:

- **Novice Programmers.** Users with less experience are more likely to encounter problems caused by common anti-patterns.
- **Language Learners.** Users working in unfamiliar languages or environments are more likely to encounter problems caused by common anti-patterns.
- **Programming Tutors.** Users trying to clean or optimize their code can benefit from resolving common anti-patterns or implementing efficient programming patterns.

App Usage: There should be a text box or file submission where code is put into, and there should also be a button to submit it, then there should be a text box or message displayed on where the anti pattern is located and give feedback on the code.

App Data Type: Uploaded Code and the critiques associated with code snippets/lines

Burn Down Chart: (EST ~100 hr total team effort; Scope could change in size as project develops)



Pastel's Reaction:

- Questions whether we will do file upload or simply copy and paste code into a text block
- Vagueness on patterns. Who provides patterns, how does it get more patterns, ...
- What is the way we will view these critiques?
- How will we store the data? Possible schema? Are we simply storing the code, and the critiques of the code (Line #: Critique) or anything else to work on for now?
- We can acquire Domain classes and files to work with, but most of this seems built from the ground up.