**Become a Front End Developer**

**with Altimetrik | 2nd Edition**

**Documentation**

[Vanessa Martínez]

***Agile Software Development Methodologies***

*Agile software development, or “Agile”, refers to a group of development methodologies that anticipates the need for flexibility, where requirements and solutions evolve through collaboration between self-organizing cross-functional teams to the delivery of the finished product. It focuses on the clean and fast delivery of individual pieces or parts of the software and not on the entire application.*

*Some benefits:*

*- The ability to help teams in a complex area while it’s still focused on the delivery of business value.*

*- Improves efficiency throughout the organization as teams work together and understand their specific roles in the process.*

*- Companies can trust on who are using agile methodologies because they can feel they are releasing a high-quality product since testing is performed throughout development.*

*- Provide the opportunity to make changes as needed and alert teams to any potential issues*

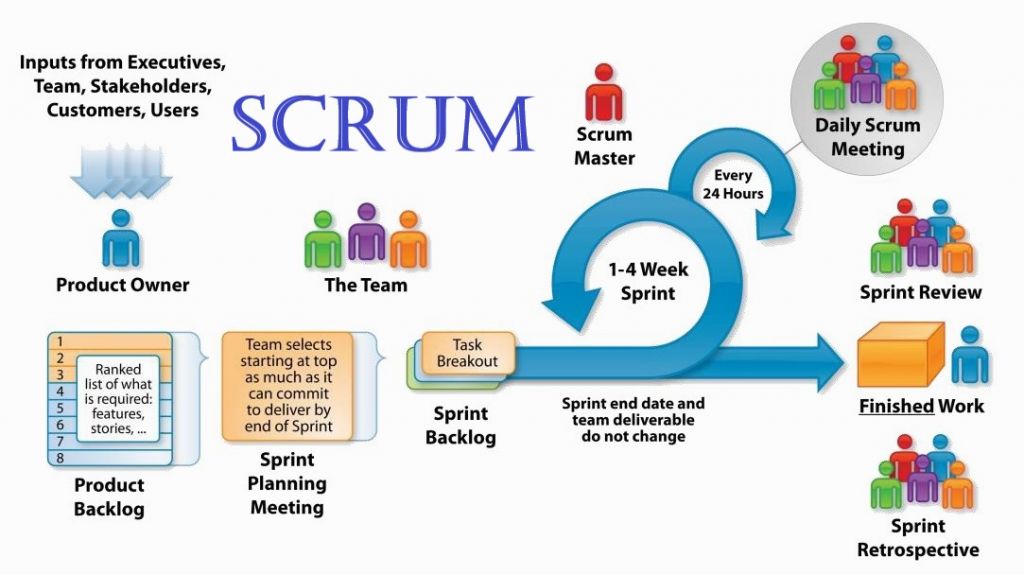
*´.*

***Types of Agile frameworks***

***Scrum***

*Scrum is a lightweight framework, not a methodology, that helps people, teams and organizations to self-organize, and is applied a set of good practices to work together and obtain the best results, generating value by solving complex problems. It replaces a programmed algorithmic approach with a heuristic one (a set of techniques to solve a problem).*

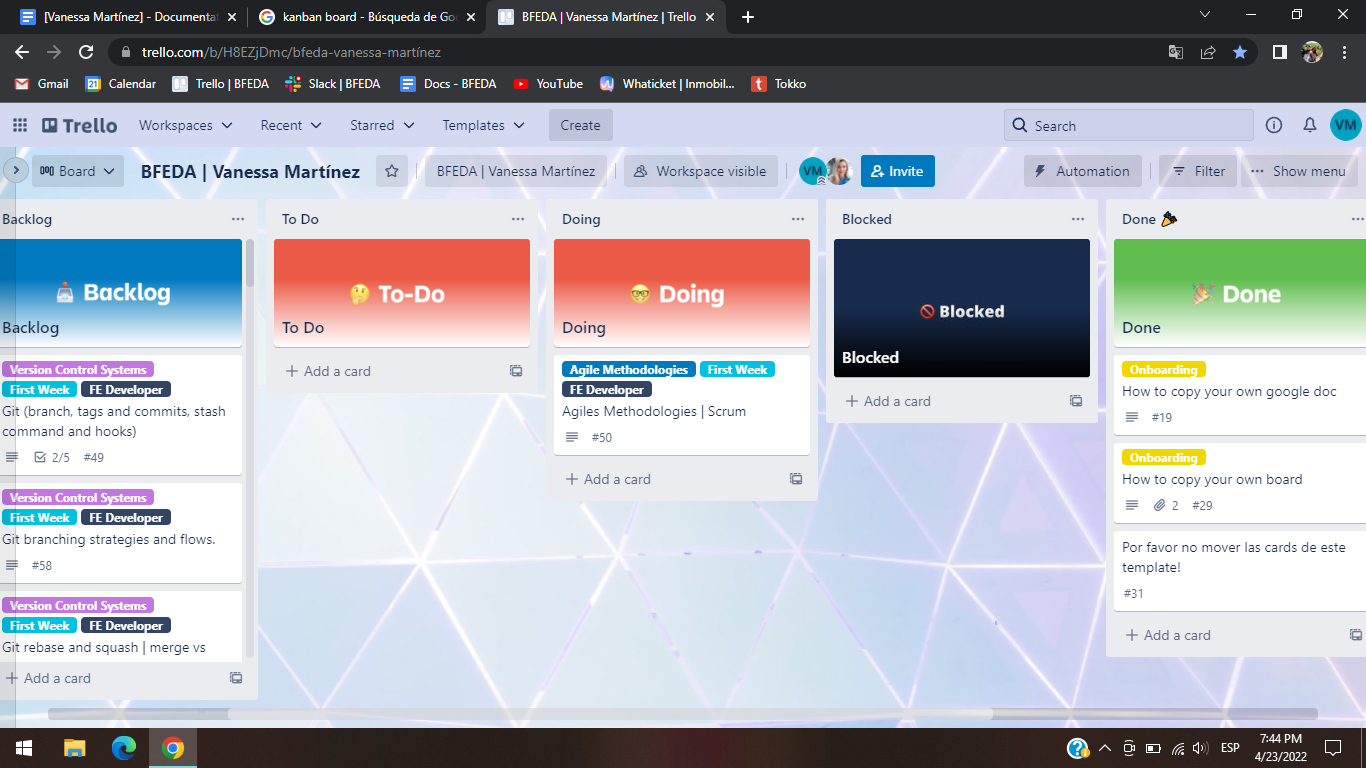
***Roles and process:***

******

***Kanban***

*Kanban is a form to organize tasks with cards on a board that has no limit.*

*You can have a few columns to pass, beginning on the ‘backlog’ column, constantly updated, once the task has begun, you can move the cards to another column called ‘in progress’, or similar, and then through the corresponding columns until it is ‘done’.*

**

***“Scrum is a technique and Kanban is a specific form to apply it”***

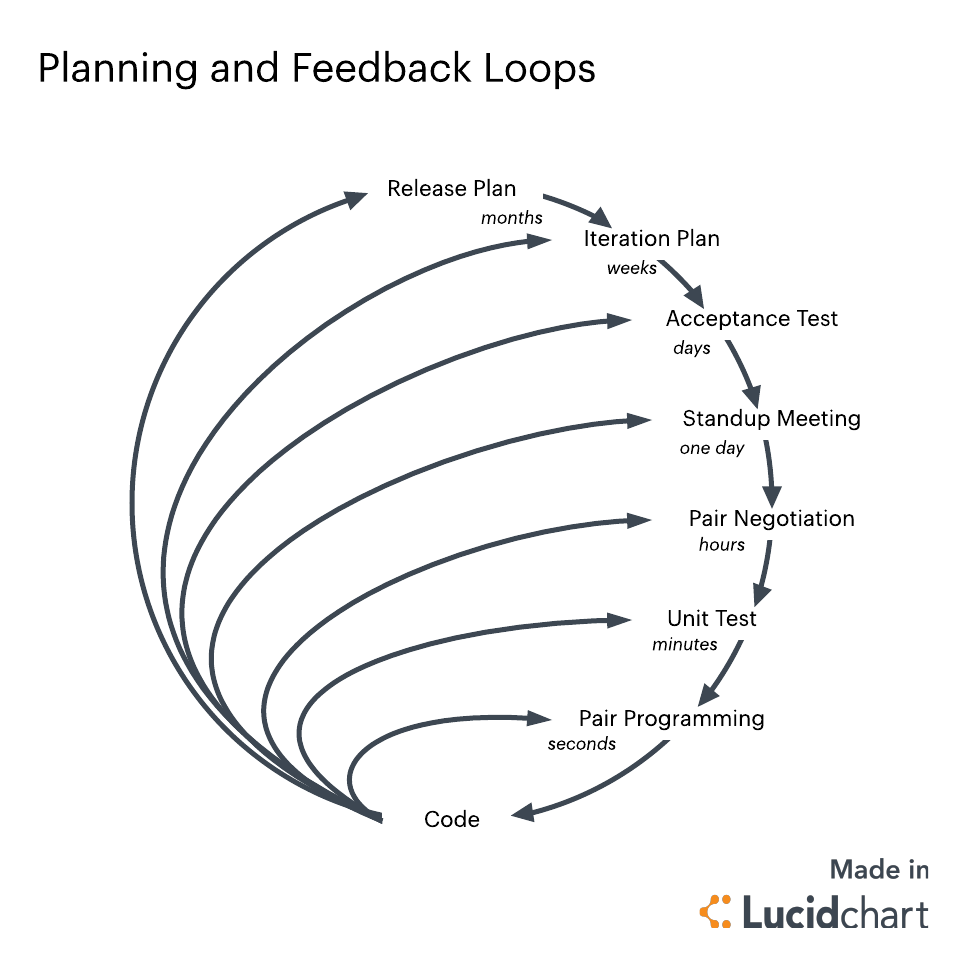
***Extreme Programming (XP)***

*Extreme programming is a framework that aims to produce higher quality software. XP is the most specific of the agile frameworks regarding appropriate engineering practices.*

*XP has 5 values:*

* *Simplicity*
* *Communication*
* *Feedback*
* *Courage*
* *Respect*

*Rules of XP:*

**

***Git***

*Git is a function that controls code’s versions in distributive form that is an important part of daily programming. It allows you to have a complete version history in a fast and free way, this system works with branches and these branches can grow up in different directions from the main one to try out new functionalities.*

***Git commands more commun***

* ***Git clone:*** *It’s a command that makes an identical copy of the latest version of a project in your local workspace.*

*git clone <https://name-of-the-repository-link>*

* ***Git branch:*** *It’s used to create, list and delete branches.*

*To create one locally, you use: git branch <branch-name>*

*To push it into the remote repository, you use: git push -u <remote> <branch-name>*

*To list or view it, you use: git branch or git branch --list*

*To delete it, you use: git branch -d <branch-name>*

* ***Git Checkout:*** *It’s mostly used for switching from one branch to another and for checking out files and commits.*

*git checkout <name-of-your-branch>*

# Index

[**Index**](#_a4jrgy1o01lm) **2**

**Bibliography**

* <https://www.techtarget.com/searchsoftwarequality/definition/agile-software-development>
* <https://www.cprime.com/resources/what-is-agile-what-is-scrum/#:~:text=Agile%20software%20development%20refers%20to%20a%20group%20of%20software%20development,%2Dorganizing%20cross%2Dfunctional%20teams>.
* <https://www.scrum.org/resources/what-is-scrum>
* <https://lucidspark.com/blog/different-types-of-scrum-meetings>
* <https://www.agilealliance.org/glossary/xp/#q=~>(infinite~false~filters~(postType~(~'post~'aa\_book~'aa\_event\_session~'aa\_experience\_report~'aa\_glossary~'aa\_research\_paper~'aa\_video)~tags~(~'xp))~searchTerm~'~sort~false~sortDirection~'asc~page~1)
* <https://www.lucidchart.com/blog/what-is-extreme-programming>
* <https://www.freecodecamp.org/news/10-important-git-commands-that-every-developer-should-know/>
* <https://openwebinars.net/blog/que-es-git-y-para-que-sirve/>