Branch- based Pros								Branch- based Cons											
Development Strategies		Organizati	Organization, Control and Security			Environment Management and Deployment		Project Complexity		Team Size and Maturity		Organizational and Process Factors		Ease of Use & Complexity					
Parallel development of several features	"Each feature is self- contained in a branch"	centralized control over	"The flow of chan extremely organiz addition to isolat: part in a specific	ed, in Deplo	yment and ne	nen deployments do not sed to be frequent or there are extremely rigid windows"	Complexity and overhead in repository maintenance due to excessive	"Too many branches make it difficult to manage the project as a whole, it is necessary to	Yeam Size	"According to the number of teams working on it, the effort in merge activities increases"		"Multiplicati branches. If he are too long- they become our and lead to conflicts.	anches S lived, Cl tdated Fa	arity, Fast	"For those who are of familiar with the standard operation, we learning curve of the flow can be aubutartial"				
Facilitating parallel and flexible development of features	"The same repository being worked or by different teams."		"Security in a pro environment, whereofesture, CI/CD (TeamCity), Code	Tool Under	rstanding ma Managing al	"It makes it viable to maintain code that has already been released, without changing the flow of the current and future release" "The CI/CD system allows you to view the behavior of each branch in an isolated production environment, which does not affect the main one."	asgmentation and complex product history	constantly "map" the flow, in addition to the amount of time "Maintaining spic branches that take a long time tends to require either rebases or merges with updates"	Very large teams where requirements change a lot Solo Devs and Prototyping/WW		Organizational Factors	"After develo merge and/or processe Insoperies programmers difficulty/f	rebase is. Compl nced Risk have of Ir	emplexity and	"Complexity, loss of information if the developer forgets to send the branch to the remote repository."				
Flexibility in development and collaboration	"The division of work and modularization of tasks becomes natural"	Device Process	"Changes are review being integrated. history is rich comments and discus recorded in the request."	Change er as sions are	CI/CD you o							"Low Productio Security"	n Code		repository.				
Organization and Synchronization of Development	"One of the mai factors is the organization of the code and the division of task	f Team size and defined processes	"It is most used : teams, which have well-defined and structure of so quality process	a very utomated itware						nodel*		"demands m documentation steps to exc! between pro- contexts and	n and hange ject i to						
Management of Development Phases	"a branch based model to clearl divide shat is still under development, sha is in each release, shat mi be a correction and from shich release"	Code Teating and Validation at	"Testing and valid code before it is into the main branc project facilitat detection of erro bogs"	merged in of the les the								launch featu	Tree*						
Trunk- based Pros							Trunk- based Cons								l am not sure				
Simplicity and Ease of Use		Code Stability and Control	Agility and Speed in Development	Team Experience	and Maturity	Project Specificity	Project Scalabi	Project Scalability and Complexity		Quality Management and Control		Code Development and Maintenance		Project Requirements and Needs		"Prone to frequent breakages"	"Difficulty in quality control"	"Difficulty controlling versions"	
"few people maintaining the project, ease, easy maintenance"	"Speed, leas omplexity, use in personal projects"	"It's wasier to have the team alighted on the flows to follow when there are fewer branches and steps in a remote work context."	"Speed in	"Culture of conti- aggressive use of good applicatio structure, atomic using rollouts, ex smaller application	feature flags, on monitoring deployments and experienced team, ons or those that	"When the code is deployed directly into production,	"Nith several members, you don't have much control when several developers use just one	changes multiple times over the	"Difficult quality control, prome to frequent breaks and interference between committs/pushes."	"Once a wrong commit can be very difficult to revert in just one branch."	"More steps and greater complexity for code changes."	"Complexity in orchestration and rebasing when there are differences with the master."	"Applications with strict deployment windows, time- communing continuous	"Need to ha multiple versions, as the case o mobile applications	in	"Test Security"	""Difficult to monitor the application"		
"Femer risk factors and Femer merge failurea"	"Immediate application of the code."	"Greater chance of keeping the code stable and insutable, with fewer risk factors and merge failures."	"Development occurs faster. Good for applications that require fast feedback."	"Hameline for new project Metup"	"More experienced teams, fast deliveries"	and use of feature flags. Another case is when there is only 1 day	"If there are a lot of people making commits at the same time, it becomes difficult to	"Inexperienced teams. Large team, complex code base"	"Low twam maturity, rapid functionality increments."	"When there is code review in geographically distributed teams. Larger teams (>3	"Incomplete or hugged code can be more easily generated in the project trunk."	"Interference between commits/pushes."	integration processes, teams with little CD experience, lack of application monitoring and feature toggles, as well as complex	'Lack of feat	THE				
		"In this case, it only makes sense if there are very few developers. A maxicum of 3. Otherwise, there could be a lot of problems with code conflicts and the occurrence of poorly mapped systemic errors"			"Small projects, stabilized codebase, high maturity of the development team"		keep the code updated."			people)"	"Extensive tasting, greater complexity in the code, use of taggle to enable features, this generates code duplication"	"Incomplete or buggy code can be generated more easily in the project trunk."	deployments with many dependencies."						