

Xóchitl Analí Cabañas Mota

NAO ID: 3319

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In-Mexico Program Backend
Developer Certification

GitHub and Digital Repository
Management:

Backlog

Table 1

User Story	Requirements
1. As a software engineer, I want to set up my development environment with git, so that I can collaborate with the team.	<ul style="list-style-type: none"> a. Git installed in local pc b. Git credentials c. Connection to a hub d. Company permission granted
2. As a no prior git experience developer, I want to create a GitHub account, so that I can contribute to the company's repositories.	<ul style="list-style-type: none"> a. Create a GitHub account with corporate email b. Set up security authentication(s) c. Get invited to the company's repository
3. As a new to git developer, I want to interact with files in a repository, so that I can practice.	<ul style="list-style-type: none"> a. The repository must be cloned locally. b. Use of basic commands: git add, git commit, git push, git pull
4. As a junior software engineer, I want to work on my own branch, so that I can organize my changes before PR.	<ul style="list-style-type: none"> a. Create a new branch with a descriptive name b. Make changes to files in the branch without affecting the main branch c. Commit changes with meaningful messages d. Push the branch to the remote repository for review.
5. As a beginner in Git, I want to get feedback of my pull request, so that I can improve my inputs.	<ul style="list-style-type: none"> a. Submit a pull request with changes b. Receive and view feedback from a team member c. Receive final approval
6. As a trainee, I want to succeed on my onboarding process, so that I can integrate successfully with the team.	<ul style="list-style-type: none"> a. Complete the set-up process on the onboarding b. Practice on company tools and processes c. Receive confirmation from the team lead that onboarding is complete

Table 2

Requirements	Stages	Time estimation	Deliverables
1.a Git installed in local pc	1	1	Screenshot
1.b Git credentials	1	1	Screenshot
1.c Connection to a hub	1	1	Screenshot
1.d Company permission granted	1	1	Screenshot
2.a Create a GitHub account with corporate email	1	1	Screenshot
2.b Set up security authentication(s)	1	1	Screenshot
2.c Get invited to the company's repository	1	1	Screenshot
3.a The repository must be cloned locally.	1	1	Screenshot
3.b Use of basic commands: git add, git commit, git push, git pull	1	1	Screenshot
4.a Create a new branch with a descriptive name	2	1	
4.b Make changes to files in the branch without affecting the main branch	2	1	
4.c Commit changes with meaningful messages	2	1	
4.d Push the branch to the remote repository for review.	2	1	
5.a Submit a pull request with changes	2	1	
5.b Receive and view feedback from a team member	2	3	
5.c Receive final approval	2	1	
6.a Complete the set-up process on the onboarding	3	8	
6.b Practice on company tools and processes	3	5	
6.c Receive confirmation from the team lead that onboarding is complete	3	1	