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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.	The system must allow developers to configure a Git environment that supports collaboration within the company.
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.	Developers must be able to create and access a corporate GitHub account to contribute to company repositories.
3. As a new to git developer, I want to interact with files in a repository, so that I can practice.	The system must allow developers to interact with repositories using Git commands.
4. As a junior software engineer, I want to work on my own branch, so that I can organize my changes before PR.	Developers must be able to work on independent branches without affecting the main branch.
5. As a beginner in Git, I want to get feedback of my pull request, so that I can improve my inputs.	The system must support code review workflows via pull requests.
6. As a trainee, I want to succeed on my onboarding process, so that I can integrate successfully with the team.	The onboarding process must provide access to company tools, processes, and confirmation of completion.

Table 2

Requirements	Stages	Time estimation	Deliverables
The system must allow developers to configure a Git environment that supports collaboration within the company.	1	1	<ul style="list-style-type: none"> • Git installed and configured on the machine (installation screenshot) • .gitconfig file with credentials • Proof of successful connection (screenshot)
Developers must be able to create and access a corporate GitHub account to contribute to company repositories.	1	1	<ul style="list-style-type: none"> • GitHub account created (profile screenshot) • Authentication setup documented (SSH key or 2FA)
The system must allow developers to interact with repositories using Git commands.	1	1	<ul style="list-style-type: none"> • Repository cloned locally • Commit history visible in git log. • Evidence of git push and git pull working (logs or screenshots)
Developers must be able to work on independent branches without affecting the main branch.	2	1	<ul style="list-style-type: none"> • New branch created • List of commits with meaningful messages • Branch pushed to remote repository (git push origin)
The system must support code review workflows via pull requests.	2	1	<ul style="list-style-type: none"> • Pull Request created on GitHub (PR screenshot) • Comments/reviews from at least one team member • Evidence of changes made after feedback (additional commits) • PR approved and merged into main
The onboarding process must provide access to company tools, processes, and confirmation of completion.	3	5	<ul style="list-style-type: none"> • Onboarding checklist completed (document/task marked on internal platform) • Evidence of practice with company tools • Written confirmation from team lead or manager (email, ticket, or signed document)