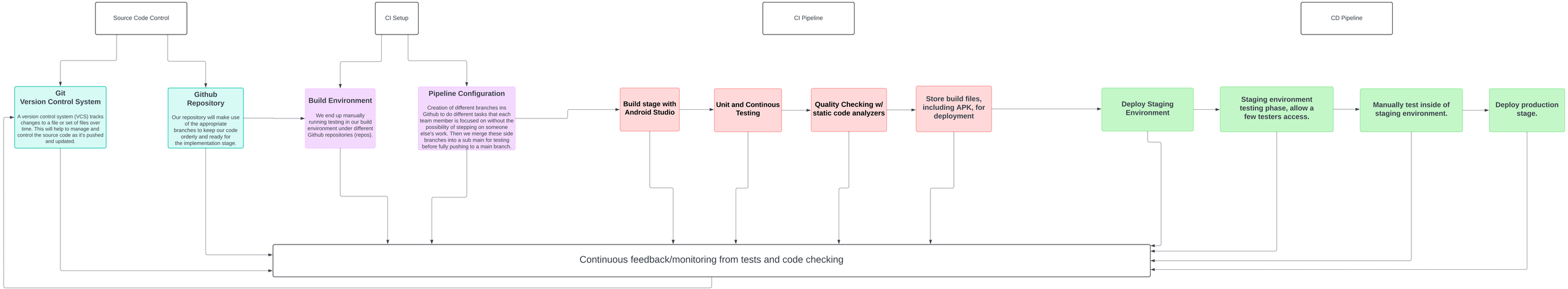
Source Code Control
CI Setup
CI Pipeline
CD Pipeline
Git
Version Control System
A version control system (VCS) tracks changes to a file or set of files over time. This will help to manage and control the source code as it's pushed and updated.
Github
Repository
Our repository will make use of the appropriate branches to keep our code orderly and ready for the implementation stage.
Build Environment
We end up manually running testing in our build environment under different Github repositories (repos).
Pipeline Configuration
Creation of different branches ins Github to do different tasks that each team member is focused on without the possibility of stepping on someone else's work. Then we merge these side branches into a sub main for testing before fully pushing to a main branch.
Build stage with Android Studio
Unit and Continous Testing
Quality Checking w/ static code analyzers
Store build files, including APK, for deployment
Deploy Staging Environment
Staging environment testing phase, allow a few testers access.
Manually test inside of staging environment.
Deploy production stage.
Continuous feedback/monitoring from tests and code checking