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BEES Mobile DevOps Code Challenge

The BEES Mobile team needs your help to deploy an IOS app to our testing environment. In order to ensure the quality of the code, we will need you to create a simple Azure DevOps Pipeline that can run the following tasks:

* Run Sonar Cloud and break the deployment if it doesn’t pass the quality gate.
* Run BrowserStack tests during the build.
* Mac Stadium IOS agent integration
* Deploy an executable IOS app to a development environment.

The executable file will be provided to you and there is also some documentation below for reference. Please consider the following in your pipeline:

1. Running tasks in parallel to ensure fast build and deployment times.
2. Failing the build if test coverage does not meet Sonar’s Quality gate threshold (set the threshold to 80% for the purposes of this code challenge)
3. Simulating IOS with Browserstack’s Cloud Simulator
4. Enabling a test trust certificate so the application can be launched.

Here is some useful documentation for reference:

* <https://www.telemessage.com/how-to-trust-a-certificate-on-ios-and-iphone-devices/>
* <https://learn.microsoft.com/en-us/azure/devops/pipelines/ecosystems/xcode?view=azure-devops>
* <https://www.browserstack.com/docs/app-automate/appium/integrations/azure>

Good luck and feel free to reach out to your recruiter if you have any questions/concerns!