

Time Log

<u>Date</u>	<u>Duration</u>	<u>Type</u>	<u>Task</u>	<u>Blockers/Issues</u>
02/20/2024	8 Hours	Coding Discussion	Sprint demo and review	No blockers
02/21/2024	8 Hours	Coding Discussion/Coding	Started discussing and coding API automation to decrease run times and for test to finish running faster	Blocker: Certain team members weren't comfortable with APIs being part of UI automation and were against it being implemented
02/22/2024	8 Hours	Coding Discussion/Coding	Continued with API automation and assisting my coworker to convert our API tests from another project to be used in our automation framework	Issue: Had multiple meetings to explain the reason of using APIs on UI automation
02/23/2024	8 Hours	Coding Discussion/Coding	Finished API automation and converting all the API test we needed to run before our actual scenario was tested	Issue: Final meeting today on API automation as we were behind on our schedules tickets for the week and are on a time crunch
02/26/2024	8 Hours	Coding Discussion/Coding	API automation was still broken as we were able to create it but not access it on UI side. Were able to convince the team to implement some API automation for the benefit of faster test runs so our pipeline can cover more scenarios	No blockers
02/27/2024	8 Hours	Coding Discussion	Reviewed why API was creating the SR and not being able to access it and managed to find out the missing steps that caused it to fail	No blockers

02/28/2024	8 Hours	Coding	Updated latest read-only scenario to run in Test env. Instead of Stage env. Since we needed to verify new functions that weren't available to Stage.	No blockers
02/29/2024	8 Hours	Coding	Pipeline randomly broke because of an outdated dependency. Had to investigate and verify downloading the latest library didn't break the Docker image and figure out what version(s) were allowed.	Blocker: Pipeline broke out of nowhere because of the outdated dependency and had to go through multiple meetings and coworkers to figure out the solution and couldn't move forward with other tickets
03/01/2024	8 Hours	Coding	Fixed pipeline, read-only ticket, and finished fixing the API automation to create a service request (SR) and was able to successfully access it while implementing it with our current scenarios where it was needed	No blockers

What were your main goals in this time period?

Main goal in this time period was to get a POC (Proof of concept) ready to demonstrate the use of APIs in our automation test wouldn't take away from our UI testing and we wouldn't be missing any potential bugs because other UI tests existed that covered what the API was doing so nothing would be missed. Our pipeline also has been very slow recently and we needed to figure out why it was breaking so often as well as what tests could be removed from the pipeline since it wasn't a main feature that needed to be tested as it has been tested and verified works 100% for a while.

What were the main challenges during this phase? Were you able to meet the challenge, if so, what helped? If not, what could help?

During this phase the biggest challenge was our test run times. We can't keep the pipeline running as it fails automatically after it surpasses 3 hours, which isn't how long a Smoke Test should ever take. We decided for the time being implementing APIs as a pre or post test run would significantly drop SR creation from 3-40 minutes (More detailed in-depth SRs require more information and time to create) to 7 seconds - 2 minutes. Although all signs showed that this was the solution we can go towards for the time being most of the team was against it. We decided that setting up a POC was the way to overcome

this challenge. APIs can be risky if not maintained and used properly as we have lost data using it before but now in the POC we verified not only will it decrease run times but also there would be no risks in using the specific calls and the loss of data. Instead of stating what we wanted to do and our solutions, it worked better in our favor to convince the team when we showed evidence that it works, there are no risks, and it would only be a temporary solution till the application runs better.