

Firefox Source Docs Infrastructure

Personal Details

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Project Proposal

I am applying for project 'Firefox Source Docs Infrastructure'. The main idea behind this project is to improve the documentation experience for developers. This will be done by five main things:

1. Static analysis tools.
2. Implement ability to specify redirects & clean old files.
3. Maintaining the well structured hierarchies.
4. Decreasing the build times.
5. Removing existing warnings in build process.

Schedule of Deliverables

Following is my schedule of Deliverables:

Days	Tasks
May 27th - June 9th	<ul style="list-style-type: none">- Go through the Source Code of Firefox Documentation.- Removing existing warnings in process.
June 10th - June 23th	<ul style="list-style-type: none">- Continue with removing existing warnings in process.- Enable Linters to provide hints.
June 24th - July 7th	<ul style="list-style-type: none">- Discuss with mentor about multi language support.- Start working on improving hierarchy.
June 24th - June 28th	- Phase 1 Evaluation
June 29th - July 13th	<ul style="list-style-type: none">- Implement the Multi Language Support.- Working on improving hierarchy. (Continue)
July 14th - July 28th	<ul style="list-style-type: none">- Implement the Multi Language Support. (Continue)- Start looking for possible way to decrease build time.- Implement hint feature to update the docs.
July 22th - July 26th	- Phase 2 Evaluation

July 26th - August 12th	<ul style="list-style-type: none"> - Implement Ability to redirect. - Removing old files from the server.
August 13th - August 26th	<ul style="list-style-type: none"> - Fix Bugs and writing tests. - Continue with hint feature. - Complete documentation.
August 26th - Sep 2nd	- Final Evaluation

- I am also going to write bi-weekly update blogs during the GSoC Program.

Open Source Development Experience

I am volunteer for Mozilla and contribute to various Mozilla Project.

- I have been fixing bugs for addons.mozilla.org frontend & backend, which is built in React-redux and Python. Fixed ~80 Bugs so far[1]
- In January I got featured as [Friend of Add-ons](#) on Mozilla blog for my contribution.
- I [squash bugs](#) for Gecko. Fixed 30+ Bugs so far.
- I pushed some patches enhancing Webextensions API suites for Firefox and few others project as well.
- I fixed few bugs in SpiderMonkey (JS Engine for Firefox)
- I co-authored [webextensions.tech](#) ([GitHub Source Code](#)) with [npm package](#) (Scaffolding tool for browser extensions [listed on MDN](#)).
- In addition to these I have created and published few [webextensions](#) on addons.mozilla.org.

Academic Experience

I am a 3rd-year undergraduate student at Guru Gobind Singh Indraprastha University, Delhi, India. I am currently pursuing my Bachelor of Technology

in Computer Science. I always wanted to pursue the field of Computer Science.

Why me?

I am pretty familiar with Firefox source code and contributing to various modules of Gecko like Webextensions API Suites and Geckodriver and . I have no other commitments apart from GSoC. My university will also be going through a vacation this summer and I have no other short/long vacations planned during the same time. So, there will be no obstacles regarding my availability and my weekly dedicated time commitment.

Why Mozilla?

I am using Mozilla Firefox since childhood. When compared to any other open source software, I have used Firefox the most. Mozilla is one of the most prominent advocates of open-source development. I really appreciate Mozilla's commitment to the community and the work it has been doing to empower the people worldwide shape the modern Internet - an Internet that is open and accessible to all. I truly align with Mozilla's belief of promoting acts of human collaboration across an open platform that contributes to individual growth and the collective future. I came to know about the concept of open source software through Mozilla. So, for me, there is a special connection with Mozilla. Also, after contributing to the Mozilla Add-Ons repositories and Gecko , I genuinely liked the coding standards, especially the testing part. I want to work in such an environment. I feel that it will be a good learning experience for me.