My GSoC Journey with SPDX: Empowering Open Source Compliance

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Introduction
Primary motivations that led me to select GSoc as the platform for my summer project was my deep passion for open source.

GSoc journey not only aligns with my long-term career goals as a software developer but also provides an exceptional opportunity to work with like-minded individuals within the SPDX community.
02
Project Overview
Proposed Deliverables

Generate the .txt test file in the pull request (PR) along with the XML file

This feature will enhance the current capability of the tool to create the XML file by also creating a .txt test file in the PR, thus making the submission process more efficient.

Add linters to the project - python/js/html/css linters

This will ensure that the code adheres to the coding standards and best practices, leading to better code quality.

Differentiate exceptions from license submissions

The tool will be able to differentiate between exceptions and license submissions, which will improve the overall efficiency of the process.

Base Reusable App

Create a base reusable Django app which contains the core functionality of interacting with java tools and XML along with webapp and API built on top of this base app. This will enable the creation of scalable software and will be a significant learning opportunity.

Add or fix unit tests & Improve error handling

i) Write GitHub tests with mocks
   ii) Separate tests in multiple files
       iii) Adding tests for edge
           iv) Tests for UI on browser e.g.: Chrome

General UI Improvements

1. Redirect on Successful License Submission
2. Improving the Toast Messages
3. Improving the License Text Display on GitHub Issue Section
Experiences & Learnings

importance of time management, adaptability, and effective communication.

work seamlessly with a diverse team of developers from different parts of the world

honied my coding abilities, becoming more proficient in the programming languages and tools relevant to my project.

Learning to plan, execute, and iterate on project tasks

tangible impact that a group of passionate individuals can make in the world of technology

Ethical dimensions of open source

aspire to continue my journey in open source and give back to the community that has given me so much.

long-term career goals now include a focus on promoting open-source values,
Thanks!

Do you have any questions?
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