

# Winter of Code 5.0

## Proposal

for the Project

**“Storage Manager”**

under



GDGC MUJ

# About Me

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## Synopsis

**“A brief overview of the project idea, its purpose, and why it matters”**

Storage Manager is a web application intended for efficient storage management by allowing users an easy interface for storage organization, storage tracking, and storage data handling. Firstly, it aims at creating an efficient storage system by combining an easy-to-implement backend solution with an easy-to-use frontend interface.

The aim of the project is to enhance the Storage Manager functions of user-friendliness, reliability, and maintainability through the improvement of the Storage Manager user interface, the improvement of the Storage Manager routes, the correction of any errors, and the improvement of the documentation of the project. The importance of the project is that reliable storage management tools are vital for organizations and individuals for the systematic management of data and the promotion of productivity, among others.

# Benefits to the Community

**“Explain how the project will help the Organisation”**

My contributions to Storage Manager will benefit the organization and open-source community in the following ways:

- Improved user interface and better user experience
- More reliable and readable backend code
- Bug fixes that enhance application stability
- Clearer documentation to help new contributors onboard easily
- Beginner-friendly contributions that encourage wider community participation
- Better maintainability and scalability of the project

These improvements will help the organization maintain a clean, usable, and well-documented storage management tool.

# Project Plan

**“Briefly discuss your plan, how you wish to complete this project, including the tech stack you’ll be using”**

As a beginner open-source contributor, I plan to follow a structured and incremental approach. I will begin by understanding the project architecture, contribution guidelines, and existing issues before making any changes.

Initially, I will focus on documentation improvements and minor frontend enhancements to become familiar with the codebase and GitHub workflow. Gradually, I will move toward fixing small backend issues, improving validation, and refining API responses. Throughout the project, I will actively communicate through GitHub issues and pull requests, seek mentor feedback, and apply review suggestions carefully.

I will ensure clean commits, meaningful pull request descriptions, and proper documentation for all changes to maintain code quality and transparency.

## Tech Stack

- **Backend:** Python, Flask
- **Frontend:** JavaScript, HTML, CSS
- **Version Control:** Git & GitHub
- **Tools:** VS Code, Terminal, Browser Developer Tools

# Milestones

Milestone	Tentative Date	KPI
Week 1	1 Feb - 7 Feb 2026	<ul style="list-style-type: none"><li>● Project runs successfully locally</li><li>● At least 1 issue reviewed or discussed</li></ul>
Week 2	8 Feb – 14 Feb 2026	<ul style="list-style-type: none"><li>● 1 documentation PR submitted/merged</li><li>● 1 small UI-related PR created</li></ul>
Week 3	15 Feb – 21 Feb 2026	<ul style="list-style-type: none"><li>● 1 bug-fix PR merged</li><li>● Review feedback resolved</li></ul>
Week 4	22 Feb – 28 Feb 2026	<ul style="list-style-type: none"><li>● 1 feature-related PR submitted/merged</li><li>● Feature tested locally</li></ul>
Week 5	1 Mar – 7 Mar 2026	<ul style="list-style-type: none"><li>● 1 refactoring PR merged</li><li>● Improved maintainability</li></ul>
Week 6	8 Mar – 14 Mar 2026	<ul style="list-style-type: none"><li>● Final PR merged</li><li>● Documentation updated and reviewed</li></ul>

# Deliverables

**“A bullet-point list of specific deliverables to be achieved by the end of the contribution timeline (e.g. features, tools, documentation, etc)”**

By the end of the contribution timeline, I aim to deliver:

- Improved frontend UI and user experience
- Bug fixes across frontend and backend
- Enhanced Flask backend routes or validation

- Clean, reviewed, and merged pull requests
- Updated README and contributor documentation
- Beginner-friendly improvements for future contributors

## Acknowledgement

I sincerely thank the Winter of Code organizing team and the maintainers of the Storage Manager project for providing an opportunity to learn and contribute to open source. Programs like Winter of Code play a vital role in helping beginners gain real-world development experience while working under mentorship. I am grateful to the mentors and contributors who invest their time in reviewing pull requests, offering constructive feedback, and maintaining a welcoming open-source environment. This program encourages learning through collaboration and practical contributions. I look forward to contributing responsibly, improving my technical skills, and adding meaningful value to the Storage Manager project and the open-source community through consistent and well-documented contributions.