Experiment-1

License Name and its Description

S.No	License Name	Short Description
1	MIT License	Very permissive license allowing reuse, modification, and distribution with attribution.
2	Apache License 2.0	Permissive license with explicit patent rights and contribution protection.
3	GNU General Public License (GPL v3)	Strong copyleft license requiring source code disclosure for derivatives.
4	GNU Lesser General Public License (LGPL v3)	Allows linking with proprietary software; modifications must be open.
5	BSD 2-Clause License	Simple permissive license with minimal restrictions and attribution.
6	BSD 3-Clause License	Similar to BSD 2-Clause but prohibits endorsement using contributors' names.
7	Mozilla Public License 2.0	Weak copyleft license; only modified files must be open-sourced.
8	Unlicense	Dedicates software to the public domain with no restrictions.
9	Creative Commons Zero (CC0)	Waives all copyright and related rights worldwide.
10	No License	Default state where all rights are reserved; others cannot use the code.

Comparison between Licenses:

License	Commercial Use	Modification	Distribution	Private Use	Patent Grant	Warranty	Key Requirements
MIT License	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	✘ No	Include copyright & license notice
Apache License 2.0	☑ Yes	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	Include license, notice file, state changes
GNU GPL v3	☑ Yes	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	Source code must be disclosed; same license
GNU LGPL v3	☑ Yes	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	Modifications to library must be open
BSD 2-Clause	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	✘ No	Include copyright & license notice
BSD 3-Clause	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	✘ No	No endorsement; include license notice
Mozilla Public License 2.0	☑ Yes	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	Modified files must be open-source
Unlicense	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	✘ No	Public-domain–like; no attribution required
Creative Commons Zero (CC0)	☑ Yes	☑ Yes	☑ Yes	☑ Yes	✘ No	✘ No	Waives all copyright rights
No License	✘ No	✘ No	✘ No	✘ No	✘ No	✘ No	All rights reserved by default

Github Alternatives:

S. No	Platform Name	Short Description
1	GitLab	Complete DevOps platform with Git hosting, CI/CD, and issue tracking.
2	Bitbucket	Git repository hosting by Atlassian, best for Jira and Trello integration.
3	SourceForge	Open-source hosting platform with project management and downloads.
4	Gitea	Lightweight, open-source, self-hosted Git service.
5	Gogs	Minimal and fast self-hosted Git server.
6	AWS CodeCommit	Secure, fully managed Git service within AWS ecosystem.
7	Azure DevOps Repos	Git repositories with CI/CD and project management tools.
8	RhodeCode	Enterprise code management supporting Git, Mercurial, and SVN.
9	Codeberg	Non-profit, privacy-friendly Git hosting based on Gitea.
10	SourceHut	Minimalist Git hosting with email-based workflows.
11	Radicle	Decentralized, peer-to-peer Git collaboration platform.
12	Launchpad	Canonical's platform mainly used for Ubuntu projects.
13	Beanstalk	Git hosting with deployment and team collaboration tools.