Practical1

LICENSE DESCRIPTION

Sr. No	License	Short Description
1	No license	Code cannot be used, modified, or shared
2	MIT License	Permissive; reuse with attribution
3	Apache 2.0	Permissive; includes patent protection
4	BSD 2-Clause	Permissive with minimal conditions
5	BSD 3-Clause	No endorsement allowed
6	Boost License	Very permissive
7	CC0	Public domain
8	EPL 2.0	Weak copyleft
9	MPL 2.0	File-level copyleft
10	GPL v2	Strong copyleft
11	GPL v3	GPL + patent rules
12	LGPL v2.1	Allows proprietary linking
13	AGPL v3	GPL for network apps
14	Unlicense	Public domain dedication

LICENSE COMPARISON

Sr. No	License	Commercial Use	Must Share Source	Patent Protection
1	No license	No	No	No
2	MIT	Yes	No	No
3	Apache 2.0	Yes	No	Yes
4	BSD	Yes	No	No
5	Boost	Yes	No	No
6	CC0	Yes	No	No
7	EPL	Yes	Partial	Yes
8	MPL	Yes	File-level	Yes
9	GPL v2	Yes	Yes	No
10	GPL v3	Yes	Yes	Yes
11	LGPL	Yes	Partial	No
12	AGPL	Yes	Yes (Network)	Yes
13	Unlicense	Yes	No	No

ALTERNATIVES TO GITHUB

Sr. No	Platform	Hosting Type	Best Use Case
1	GitLab	Cloud / Self-hosted	Complete DevOps workflow
2	Bitbucket	Cloud / Self-hosted	Atlassian users
3	Azure DevOps	Cloud	Microsoft ecosystem
4	AWS CodeCommit	Cloud	AWS-based projects
5	Gitea	Self-hosted	Private lightweight repos
6	Gogs	Self-hosted	Small teams
7	SourceForge	Cloud	Open-source distribution
8	Codeberg	Cloud	Students & open source
9	Launchpad	Cloud	Ubuntu projects

GITHUB ALTERNATIVES – COMPARISON TABLE

Sr. No	Platform	Hosting	CI/CD	Issue Tracking	Self-Hosted
1	GitLab	Cloud / Self	Yes	Yes	Yes
2	Bitbucket	Cloud / Self	Limited	Yes	Yes
3	Azure DevOps	Cloud	Yes	Yes	No
4	AWS CodeCommit	Cloud	Limited	No	No
5	Gitea	Self-hosted	No	Yes	Yes
6	Gogs	Self-hosted	No	Basic	Yes
7	SourceForge	Cloud	No	Yes	No
8	Codeberg	Cloud	No	Yes	No
9	Launchpad	Cloud	No	Yes	No