Assignment 14: Peer Review, Onboarding, and Open-Source Collaboration

Objective:
Prepare your repository for **open-source collaboration** and undergo **peer review** by classmates. Your repository will be evaluated based on its readiness for onboarding contributors, documentation quality, and engagement (stars/forks).

Scenario

Your project is now feature-complete with CI/CD (Assignment 13). To simulate real-world open-source collaboration:

1. **Prepare your repository** for external contributors (peers).
2. **Share your repository** with classmates for peer review.
3. **Collect feedback** via GitHub stars and forks, more weight will be given to forks

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Tasks

1. Repository Preparation (40 Marks)

Task:

1. **Add Contribution Guidelines**:

   - Create a `CONTRIBUTING.md` with:

     - Setup instructions (prerequisites, installation).
     - Coding standards (linting, testing).
     - How to pick issues and submit PRs.

   - Example:

     ```
     ## Contributing
     1. Fork this repository.
     2. Pick an issue labeled `good-first-issue`.
     3. Write code and tests.
     4. Submit a PR with a clear description.
     ```

2. **Tag Issues for Contributors**:

   - Label 5+ issues as `good-first-issue` (simple tasks for newcomers).

- Label 3+ issues as `feature-request` (desired enhancements).

3. **Add a Roadmap**:

   - Create a `ROADMAP.md` listing future features (e.g., "Integrate Redis caching").

4. **Update `README.md`**:

   - Add a "Getting Started" section.
   - Include a "Features for Contribution" table.

5. **Add a License**:

   - Include a `LICENSE` file (MIT, Apache, or GPL).

Deliverables:

- Include markdowns for your `CONTRIBUTING.md`, labeled issues, and `ROADMAP.md`.

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2. Peer Review Process (40 Marks)

Task:

1. **Share Your Repository**:

   - Post your repo link in a shared class forum (e.g., whatsapp or whatever platform you meet as a class, you can even do it in our Zoom class).

2. **Peer Voting**:

   - Classmates will **star** and **fork** repositories they find:
     - Well-documented.
     - Easy to contribute to.
     - Feature-complete.

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3. Reflection (20 Marks)

Task:
Write a **500-word reflection** on:

1. How you improved your repository based on peer feedback.
2. Challenges in onboarding contributors.
3. Lessons learned about open-source collaboration.

Deliverables

1. **Repository Enhancements**:
   - `CONTRIBUTING.md` , `ROADMAP.md` , labeled issues, license.
2. **Peer Engagement**:
   - `VOTING_RESULTS.md` with star/fork counts.
3. **Reflection**:
   - `REFLECTION.md` on collaboration experience.

Submission Guidelines

- **Deadline**: [Insert Date]
- **Format**: Link to blackboard LMS and TEST and make sure it WORKS
  - Repository link.
  - `REFLECTION.md` .
- **Grading**:
  - **40%**: Repository readiness (docs, issues, license).
  - **40%**: Peer engagement (stars, forks, PRs).
  - **20%**: Reflection depth.

Why This Matters

- **Collaboration Skills**: Learn to manage contributions and feedback.
- **Portfolio Building**: A starred/forked repo showcases your teamwork and technical skills.
- **Open-Source Best Practices**: GitHub stars signal project quality to employers.

Need Help?

- GitHub Docs: <u>Creating a CONTRIBUTING File</u>
- Choose a License: <u>https://choosealicense.com/</u>