**Project Documentation Guidelines for CPSC254 Software Development with Open Source Systems**

**1. Project Title:**
  - Provide a simple and descriptive title for your project.

**2. Project Overview:**
  - Briefly describe the scope of your project, emphasizing the focus on understanding open source principles, collaboration, and various aspects of software development.
  - Explain how the project contributes to your understanding of open source concepts and collaborative software development.

**3. Learning Objectives:**
  - Describe how your project aligns with the learning objectives of the course:
        - Understanding open source software and its significance.
        - Collaboration and teamwork in software development.
        - Basic software development principles and practices.
        - Version control and collaborative tools usage.
        - Documentation and communication skills enhancement.

**4. Project Description:**
  - Explain the project's simplicity and purpose. It could be a basic web application, a command-line tool, or any software artifact that showcases your understanding of fundamental programming concepts.

**5. Technology Stack:**
  - List the basic technologies and tools you used (e.g., HTML, CSS, Git for version control).
  - List the packages used.

**6. Server Infrastructure:**
  - Describe the setup and configuration of the Linux-based server/machine.
  - Explain the package management process, detailing the installation of web servers, databases, and programming languages.
  - Include information on automation using shell scripts for server tasks.

**7. Collaboration and Teamwork:**
  - Describe how your team collaborated throughout the project.
  - Explain how tasks were divided, communication methods used, and the role of each team member.
  - Highlight the challenges faced during collaboration and how your team addressed them.

**8. User Interface (UI) and User Experience (UX) Design (For Web Applications):**
   - Provide screenshots or wireframes of the user interface.
   - Explain the design principles and user experience considerations implemented in your application.

**9. Open Source Principles:**
   - Discuss your understanding of open source software and its core principles.
   - Explain how your project incorporates open source concepts, such as sharing code, collaboration, and community involvement.

**10. Agile Practices:**
   - Explain the Agile practices and methodologies your group employed during the development process.
   - Discuss your daily stand-up meetings, highlighting the progress updates, challenges discussed, and resolutions made.
   - Explain how you handled changes and adaptations in project requirements during the development cycle if any.
   - Reflect on the effectiveness of Agile practices in improving collaboration, communication, and overall project progress.

**11. Challenges and Learning:**
   - Document any challenges faced during the project, especially those related to understanding open source principles and collaboration.
   - Reflect on what you learned from these challenges and how they contributed to your growth as a software developer.

**12. Group Collaboration:**
   - Describe how your group collaborated on the project.
   - Explain the division of tasks, version control systems used, and communication methods employed within the group.

**13. Git Repository and Project Links:**
   - Provide the link to your Git repository where the project code is hosted.
   - Include any additional project-related links or resources such as references, blogs etc.

**14. Conclusion:**
   - Summarize the key takeaways from the project.
   - Reflect on how the project enhanced your understanding of open source, collaboration, Agile practices, and software development principles.

**Submission Instructions**:
Compile your documentation into a clear and concise report in PDF format. Focus on explaining your understanding of open source principles, collaboration experiences, Agile practices, and the learning outcomes. Include the Git repository link and any related resources. Submit your documentation by 8th December 2023 via Canvas.

If you have any questions or need clarification on the documentation requirements, please reach out to me via Email at snathani@fullerton.edu.

Best of luck with your submissions!