# AI-assisted software development project: Analysis and documentation template

## Step 1: Review provided code and workflow documents

**A: Submit a brief summary that demonstrates your understanding of the main functions and modules in the provided code files.**

### B. Provide a list of workflow steps that you identified as potentially inefficient or unclear, based on your review of the workflow documents.

### C. Include any questions or areas of confusion that you noted during your initial review, to show the depth of your analysis and readiness for clarification.

### Step 2: Use an AI tool to identify areas for improvement

### A: List all code issues or workflow bottlenecks identified by the AI tool

### B: Include both the AI-generated suggestions for code improvements and workflow optimizations, as appropriate.

## Step 3: Update code blocks and document changes

### A. Submit updated code files with comments indicating each change made and the reason for the update.

### B. List all code changes and provide a brief explanation for each modification.

## Section 4: Summarize workflow optimizations and reflect on AI usage

### A. Add a summary describing each workflow optimization you implemented, referencing the original workflow document for comparison. Also add details about your experience using AI tools, including what worked well and any challenges you encountered.

### B. List specific ways you might use AI tools in future software development projects, along with any limitations or considerations you observed.