

Files Overview

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1 File-level Overview

This document provides a high-level summary of the key files and directories in the `code-agent` repository.

File / Directory	Purpose	Key Functions / Components
<code>code_agent/main.py</code>	Main application entry point for interactive chat.	<code>main()</code> , <code>_main_loop()</code>
<code>code_agent/cli.py</code>	Typer-based command-line interface.	<code>app</code> (Typer app)
<code>code_agent/graph.py</code>	LangGraph implementation for the agent's logic.	<code>build_graph()</code>
<code>code_agent/agents/</code>	Agent-related classes and factories.	<code>build_agent</code> , <code>PersistentAgent</code>
<code>code_agent/tools/</code>	Directory containing all agent tools.	<code>NewFileTool</code> , <code>EditFileTool</code> , etc.
<code>code_agent/scaffold.py</code>	Project scaffolding logic.	<code>create_project_scaffold()</code>
<code>code_agent/docs_generation.py</code>	Quarto documentation generation.	<code>generate_quarto_docs()</code>
<code>code_agent/file_generation.py</code>	Low-level file writing utilities.	<code>write_file()</code> , <code>py_to_ipynb()</code>
<code>code_agent/exceptions.py</code>	Custom exception types for the application.	<code>CodeAgentError</code>
<code>docs/</code>	Quarto documentation source files.	-
<code>tests/</code>	Pytest unit and integration tests.	-
<code>pyproject.toml</code>	Build system and dependency configuration (PEP 621).	-

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<code>_quarto.yml</code>	Quarto project configuration for the docs website.	-
<code>requirements.txt</code>	Core runtime dependencies.	-

Each module is documented in its own file header. For more details, see the [CODE_AGENT](#) document.