AI Agent User's Guide (Split-Role Workflow)

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1. The Workflow Concept

We use a **"Split-Role" Model** to manage context and ensure precision.

- **The Architect:** Thinks, plans, and designs. Writes the **Implementation Plan**. Can update **Workflow Documents**.
- **The Builder:** Writes **Project Code**. Has "amnesia" (knows only what is in the bundle).
- **The Relay:** Moving complex design state between multiple Architect sessions to overcome context limits.
- **You (The User):** The "Message Bus." You move Plans and Bundles between agents.

2. Phase 1: The Architect Session

Goal: Define *what* to do.

1. **Start:** Open a new session.
2. **Bootstrap:** Upload `AIAgentWorkflow.md` and `project_bundle.txt`.
3. **Prompt:** "Act as Architect. [Describe task]."
4. **Output:** The Architect produces an **Implementation Plan** (Canvas Document).

Phase 1.5: The Architectural Relay

Goal: Manage complex features that require multiple design sessions.

1. **Saturation:** If the session gets too long, or the Architect needs to check more files, ask for a **State Snapshot**.
2. **Save:** Copy the Snapshot/Plan to a markdown file (e.g., `Plan_Part1.md`).
3. **Re-Bootstrap:** Open a **FRESH** session.
4. **Upload:** Upload `AIAgentWorkflow.md`, `project_bundle.txt`, and `Plan_Part1.md`.
5. **Prompt:** "Act as Architect. Resume design based on the attached Plan."

Saving the Plan

Always export the final Implementation Plan to `Docs/` (e.g., `Docs/ImplementationPlan_v1.md`). You need this file for the Builder.

3. Phase 2: The Bridge

1. **Manifest:** Copy `manifest.txt` from the Plan to your project root.

2. **Bundle:** Run `python test_code/create_project_bundle.py --manifest manifest.txt` to create `builder_bundle.txt`.

4. Phase 3: The Builder Session

Goal: Execute the plan.

1. **Start:** Open a **FRESH** session.
2. **Upload:** Upload `AIAgentWorkflow.md`, `builder_bundle.txt`, and the saved `ImplementationPlan.md`.
3. **Prompt:** Paste the **Builder Bootstrap Prompt** from the Plan.
4. **Execute:** Follow the "Visual Diff -> Proceed -> Delivery" loop.

5. Workflow Maintenance

The Workflow itself is a living system.

- **Continuous Improvement:** Both the Architect and Builder may suggest updates to `AIAgentWorkflow.md` if they find a flaw in the process.
- **User Override:** You can order an update: "Act as Architect. Update the Workflow to require X."
- **Saving Updates:** If an agent outputs a new Workflow file, overwrite your local copy immediately.