

Based on the Petri net provided, here's a clear step-by-step description of the workflow.

1. The process begins with **"Start Ticket"**.
2. Immediately after, two parallel branches start simultaneously:
 - **Documentation Branch**
 - A silent transition occurs, splitting into two simultaneous tasks:
 - **"Update Docs"**
 - **"Draft Release Notes"**
 - After both tasks finish, another silent transition merges them.
 - **Feature Work Branch**
(Two exclusive paths exist here – only one path will be taken)
 - Option A (Design Path):**
 - **"Design New Feature"** occurs
 - Then **"Code Review"** happens
 - Option B (Test/Code Path):**
 - A silent transition occurs, splitting into two simultaneous tasks:
 - **"Write Unit Test"**
 - **"Implement Code Change"**
 - After both tasks finish, another silent transition merges them.
3. The **Documentation Branch** and the chosen **Feature Work Branch** (either Option A or B) must both complete.
4. Finally, **"Close Ticket"** occurs, ending the process.

Key relationships:

- "Update Docs" and "Draft Release Notes" always happen together (simultaneously).
- "Write Unit Test" and "Implement Code Change" always happen together (simultaneously).
- The Design Path ("Design New Feature" → "Code Review") and Test/Code Path ("Write Unit Test" + "Implement Code Change") are mutually exclusive alternatives.
- The Documentation Branch and Feature Work Branch run in parallel after "Start Ticket".
- "Close Ticket" requires completion of both branches.