

ASANA PARENT TASK AUTO-COMPLETION AUTOMATION

Programming Language & Tools:

- Python 3.x
- Asana Python SDK (asana library)
- Asana API

Setup Instructions:

1. Install Python 3.x
2. Install required library: `pip install asana`
3. Obtain Asana Personal Access Token:
 - Go to Asana → Settings → Apps → Personal Access Tokens
 - Create new token and copy it
4. Get Project GID from Asana project URL

Configuration:

- Open `asana_automation.py`
- Replace 'YOUR_PERSONAL_ACCESS_TOKEN_HERE' with your actual Asana token
- PROJECT_GID is already set to: 1214356601911126

How to Run:

1. Open Command Prompt/Terminal
2. Navigate to script location: `cd [folder_path]`
3. Run: `python asana_automation.py`
4. Script will check all tasks and auto-complete parents when all subtasks are done

Expected Output:

- Lists all tasks checked
- Shows subtask completion status
- Automatically marks parent tasks complete when all subtasks are done

- Displays summary of actions taken

Implementation Approach:

Primary Solution: Asana Custom Rule

- When: Subtask completion status changes
- If: All subtasks are completed
- Then: Mark parent task complete

Role of Python Script:

- The Python script was used to trigger and activate the Custom Rule functionality
- After running the script once, the Custom Rule began working automatically
- Script demonstrates API integration and programmatic task management

Special Notes:

- The Custom Rule now provides real-time automation within Asana
- Python script must be run manually or scheduled (does not run automatically)
- Personal Access Token must be kept secure and not shared

Known Limitations:

- Python script requires manual execution (not background process)
- Requires internet connection to access Asana API
- Token expires and needs periodic renewal