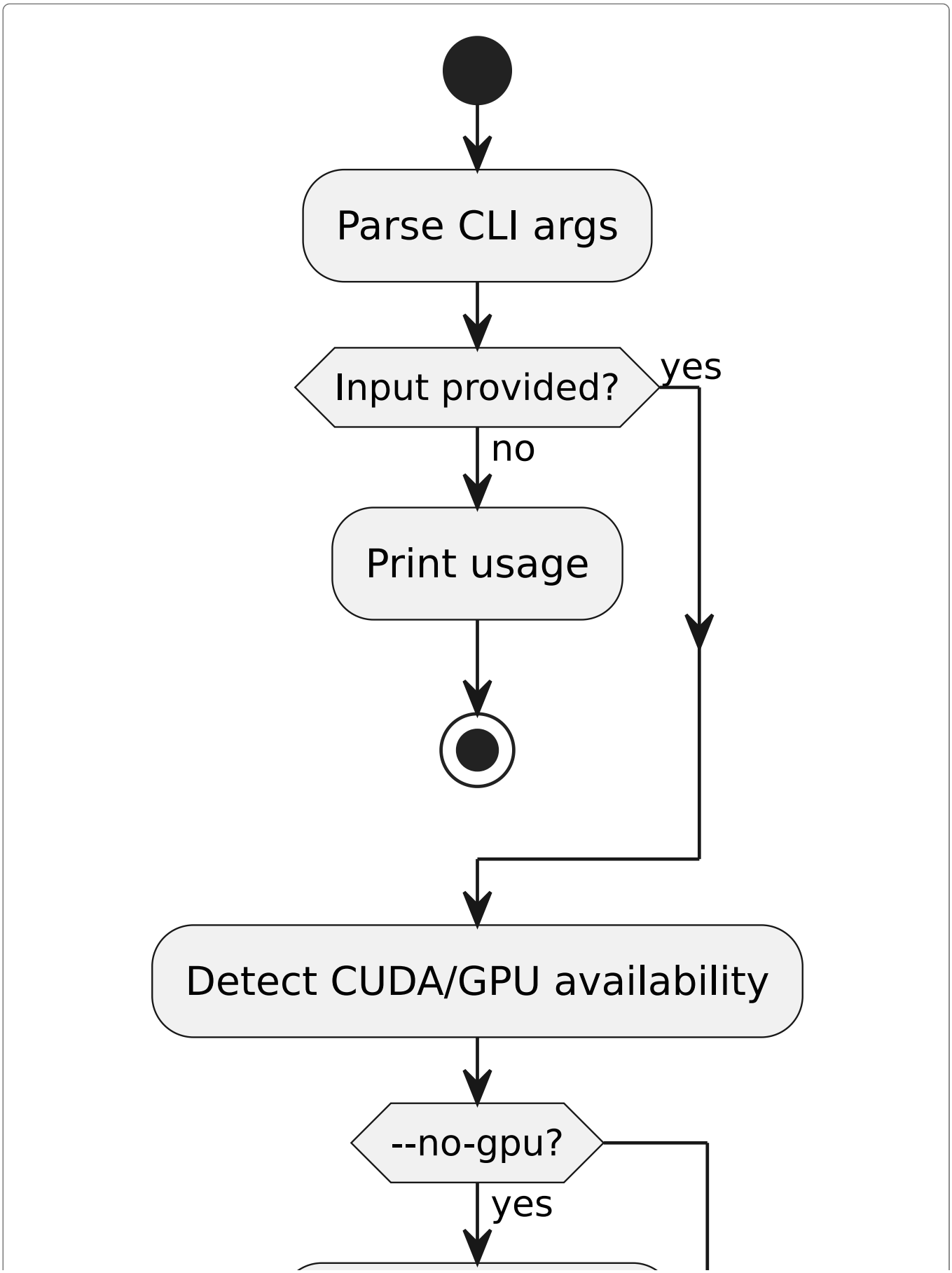
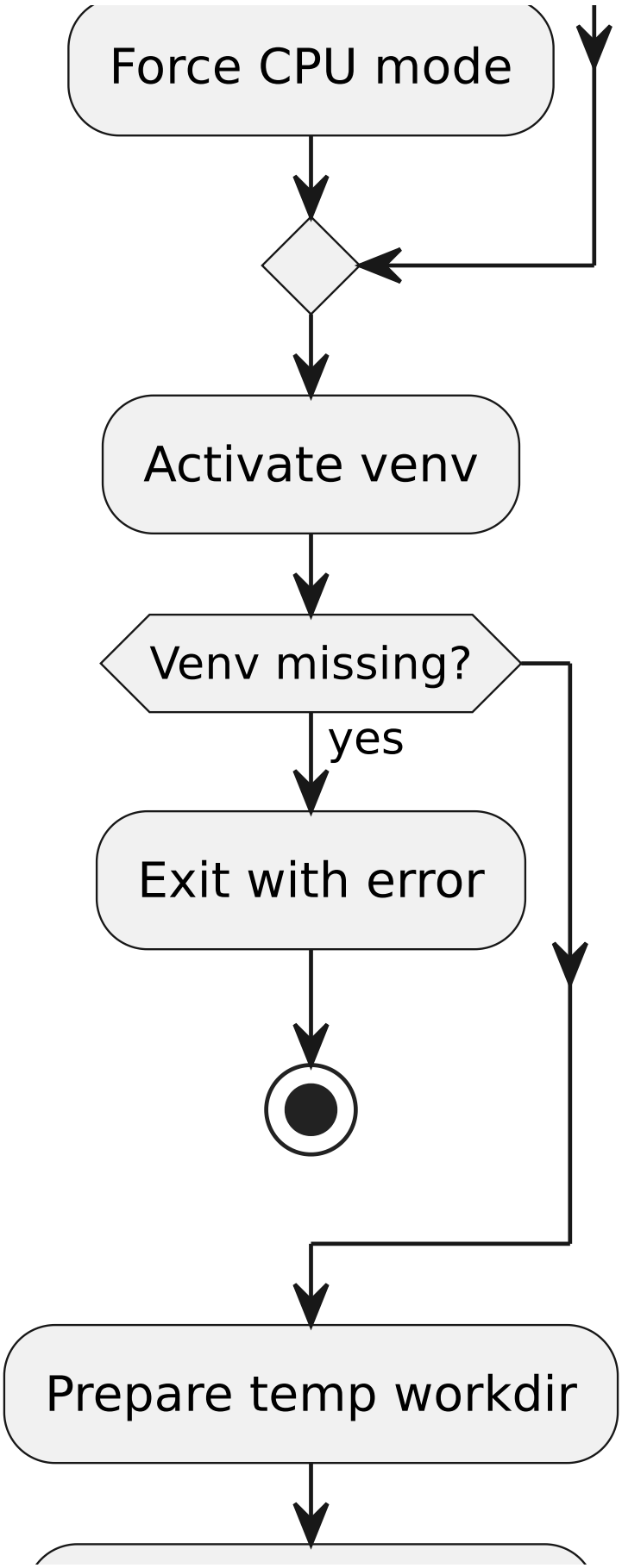
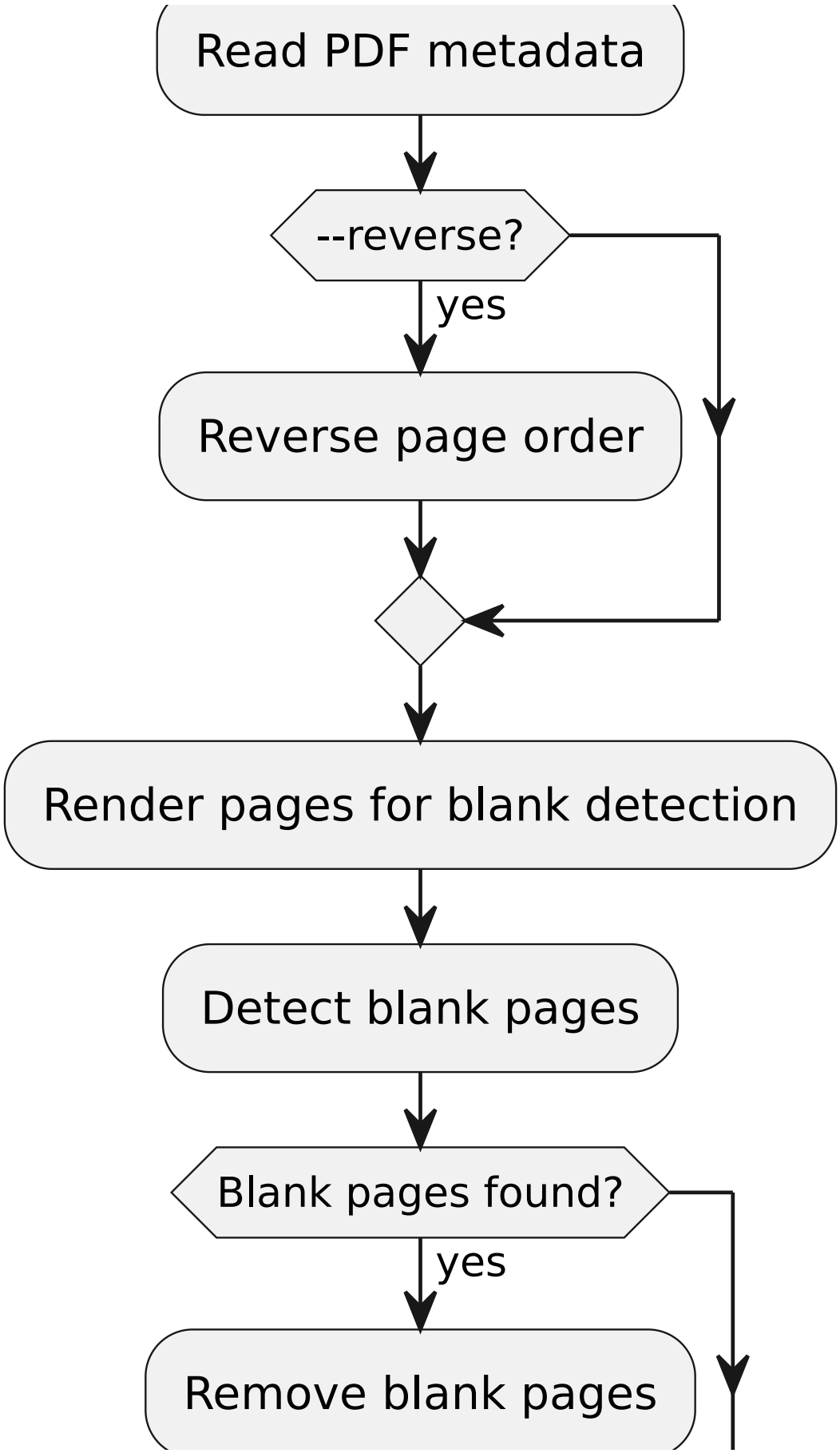
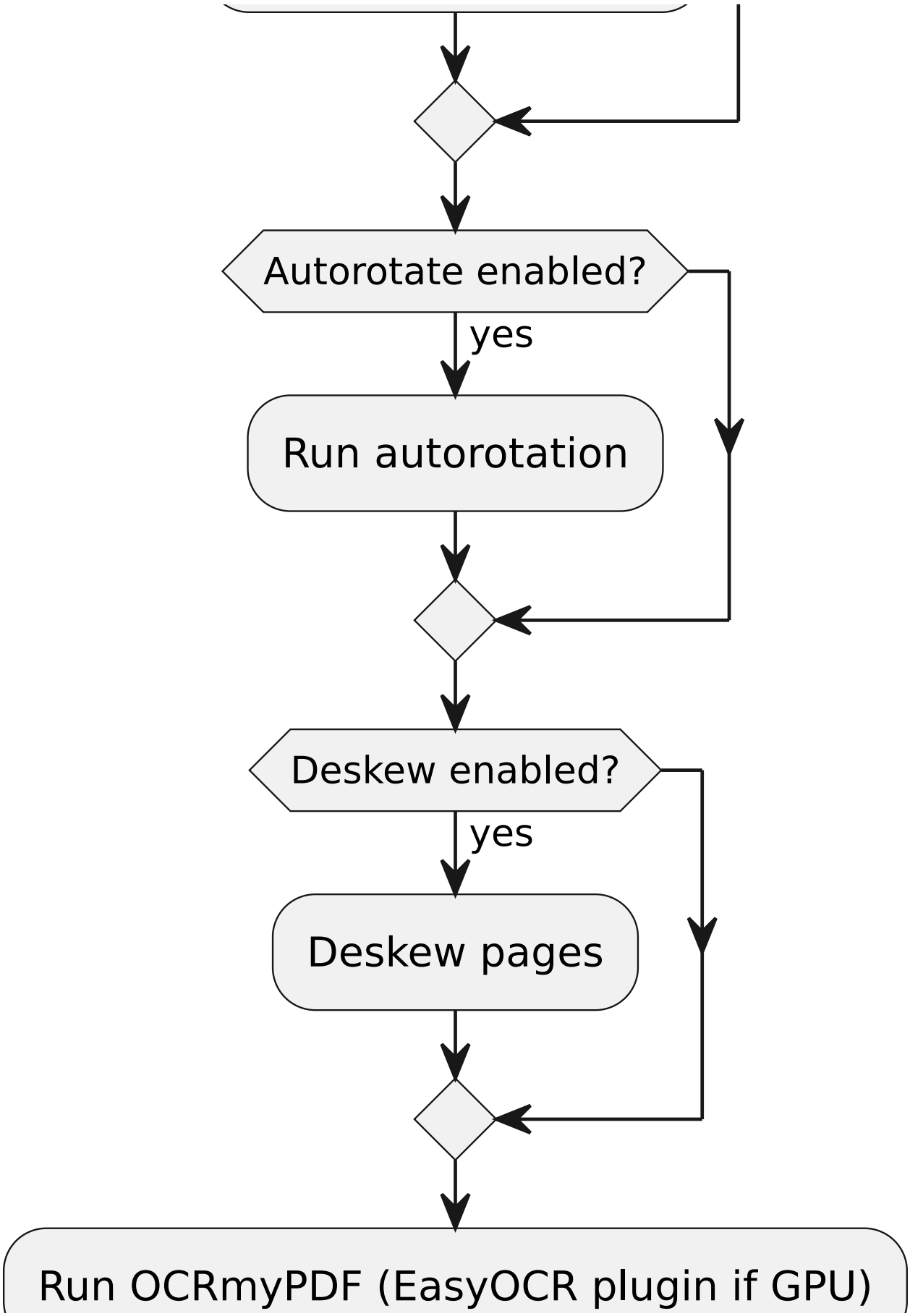
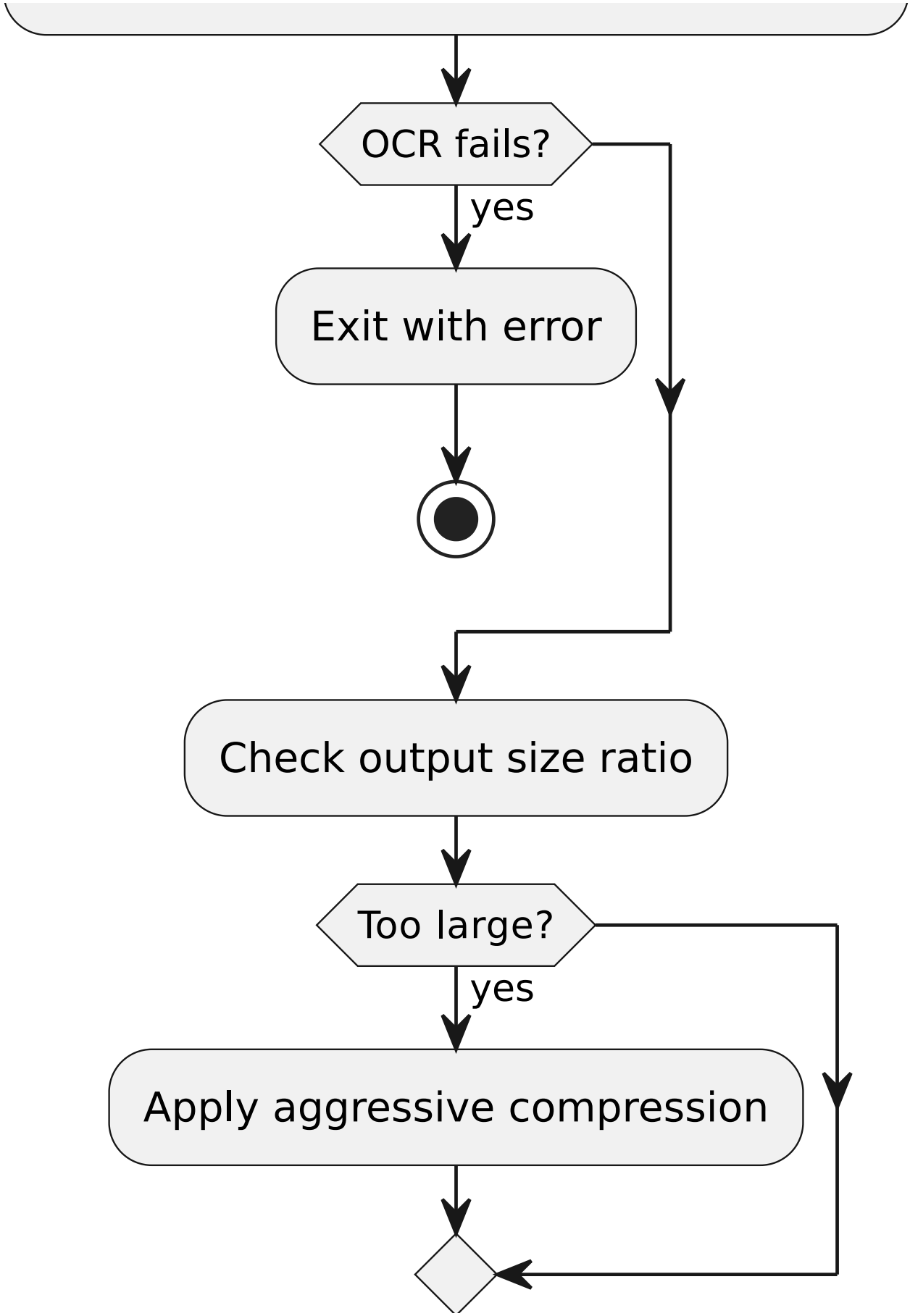
ocr-pdf.sh Activity Diagram

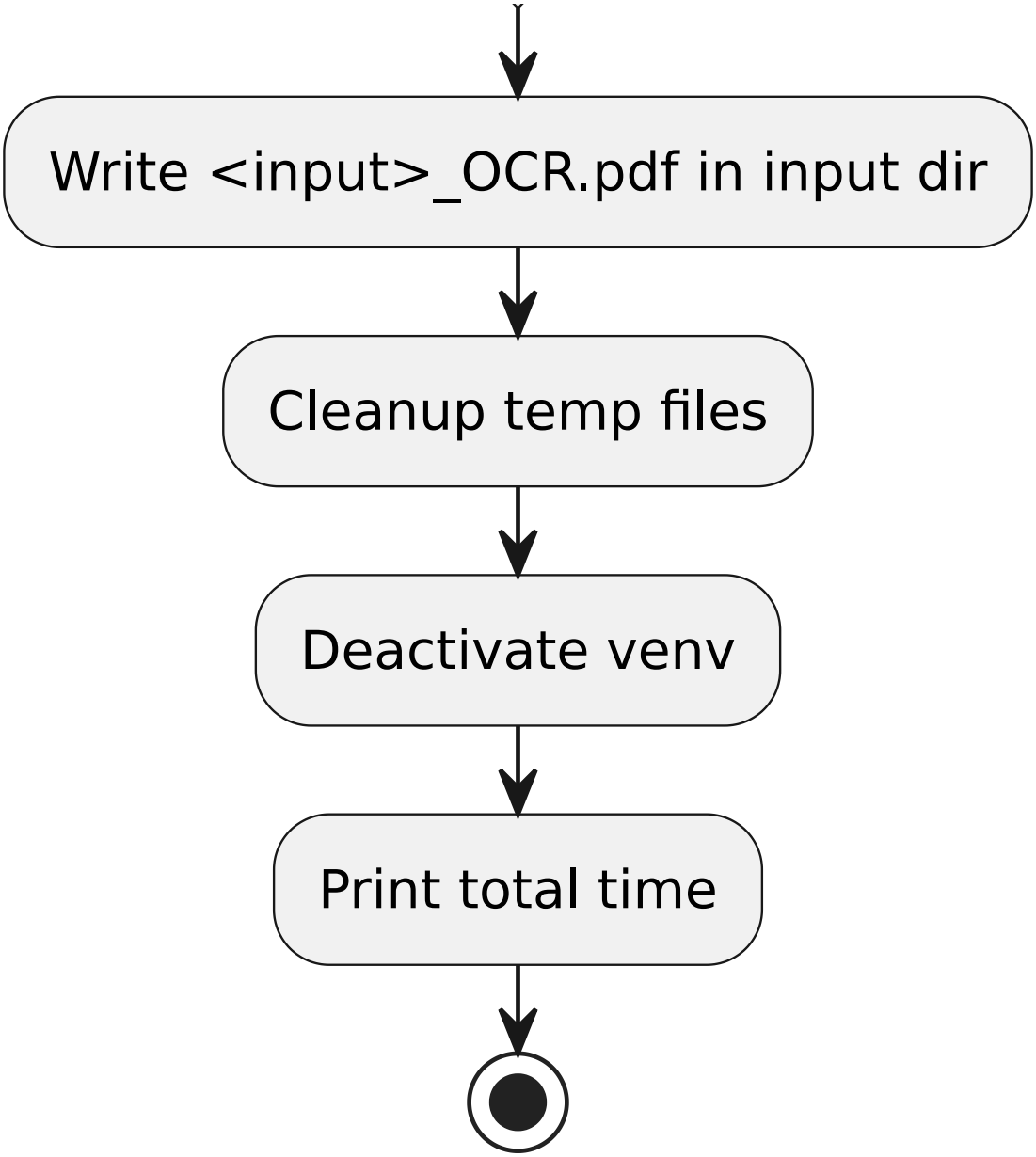

Parse CLI args
Input provided?
yes
no
Print usage
Detect CUDA/GPU availability
--no-gpu?
yes


Force CPU mode
Activate venv
Venv missing?
yes
Exit with error
Prepare temp workdir


Read PDF metadata
--reverse?
yes
Reverse page order
Render pages for blank detection
Detect blank pages
Blank pages found?
yes
Remove blank pages


Autorotate enabled?
yes
Run autorotation
Deskew enabled?
yes
Deskew pages
Run OCRmyPDF (EasyOCR plugin if GPU)


OCR fails?
yes
Exit with error
Check output size ratio
Too large?
yes
Apply aggressive compression


Write <input>_OCR.pdf in input dir
Cleanup temp files
Deactivate venv
Print total time