

StepZero

Singularium Technologies

Before starting step one of your process, consider step zero.

StepZero - Theme

Allows people intensive processes to be –

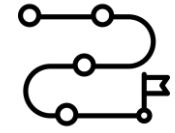
Reimagined,

Formalized and

Enhanced with cutting edge AI

Without the **cost x time** of traditional ERPs or tech solutions built from scratch.

Build End-to-End Processes



- In-built file editors, integrated AI, customizable flows, Rest API bridges

Enhance Productivity



- **Steps** can be automated, manually executed or combine man & machine

Deploy Quickly & Advantageously



- Low code backend & frontend allows flows to be built & deployed in a flash

Building Blocks

Flow

A well defined process with standard inputs and outputs

File

Each new input (**file**) triggers a new instance of **flow**

Step

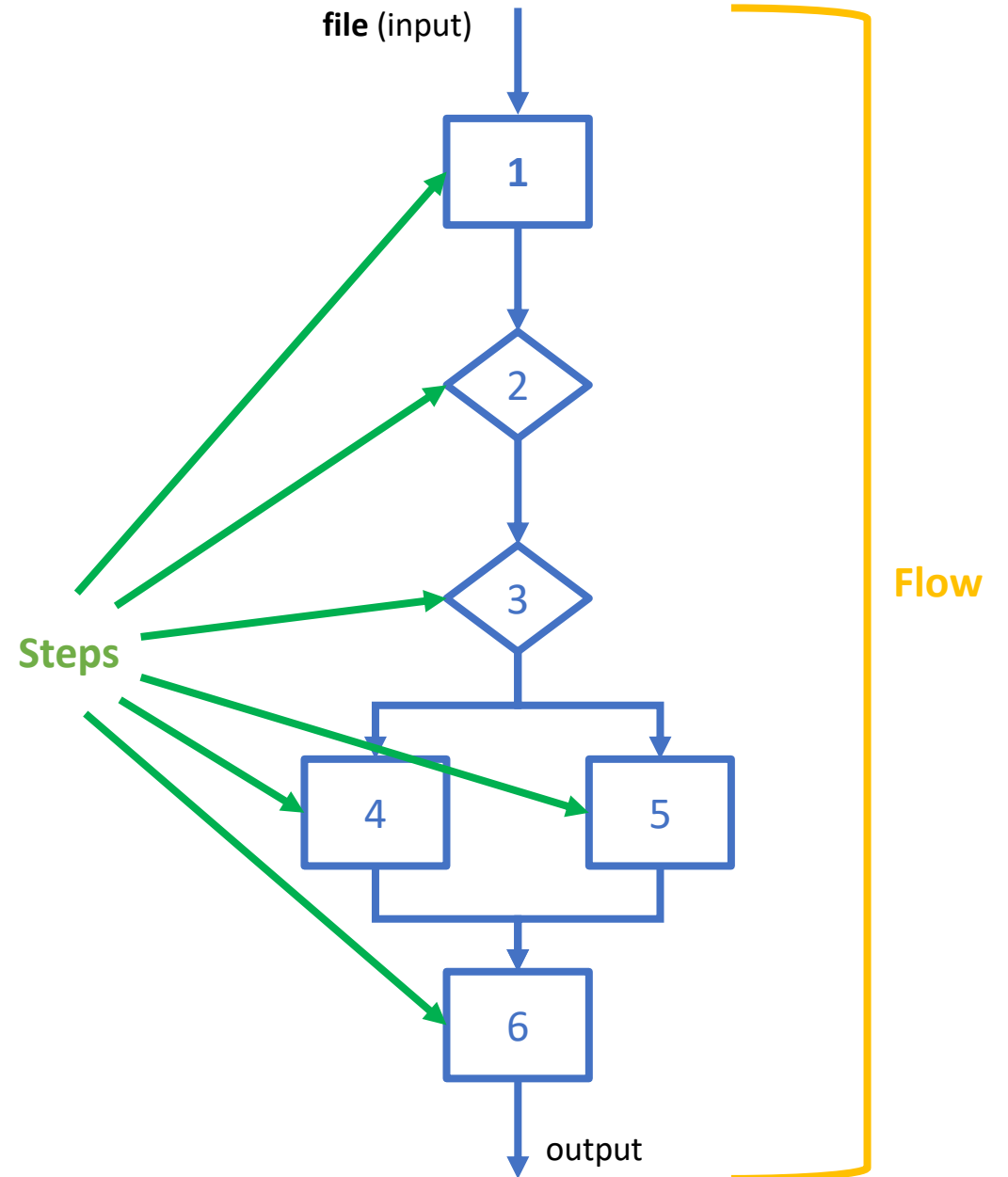
A discrete part of the **flow**. Each **step** syncs specific backend code with frontend UI (*workstation*). Connected **steps** form a **flow**

Track

An instance of a **step** created for a specific **file**

User

Any person associated with a **flow, step or track** as manager or operator



End-to-End Flows

- › Design **flows** that are fully contained within StepZero
- › **Flows** can be complex or simple
- › **Users** need not interface with any other tools or systems for common file formats and forms
- › Input instances can be tagged and processed differently
- › Large projects involving microwork can be easily distributed, and collated post processing



Steps can be in series or parallel, conditionally connect to next **steps** and allow looping



Flows can contain manual and automated **steps** both to ensure accuracy / consistency of output



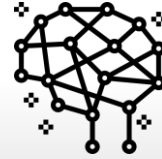
Each **step's** UI-UX is customizable, can render multiple file formats and is **microwork** ready



In-built viewers/editors for spreadsheet, image, pdf, audio, video and html-form formats

Productivity

- › AI ready platform
 - › Integrate with own / 3rd party AI deployed via Rest APIs
 - › Utilize Singularium's proprietary algorithms
 - › Netra – Intelligent Document Structuring
 - › JESTR – Fuzzy Text Mapping
 - › BFG – Background Filtering
- › Frontend designed to maximize user efficiency
 - › Canvas, Forms that load in sync with spreadsheet data
 - › Snipping OCR functionality
- › Async, scheduled **step** executions
 - › Allows **users** to move to the next activity instead of waiting for completion of current activity



Integrate with own & 3rd party AI services via Rest APIs



Fully automated **steps** can be triggered through scheduling



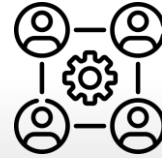
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Users can be notified with relevant metrics at the onset / completion of a **track**

MIS & Reporting

- › **User** access is hierarchical
 - › **Flow** Manager >>
 - › **Step** Manager >>
 - › Operator
- › The framework allows managers to view the status of tasks across the **steps** in the **flow**
- › Daily / weekly / monthly reports are built-in to the framework and report data at a **step** level



User access is managed at the **flow**, **step** and **track** levels



Process execution is tracked at a **track** level alongside status, time taken & measured output metric



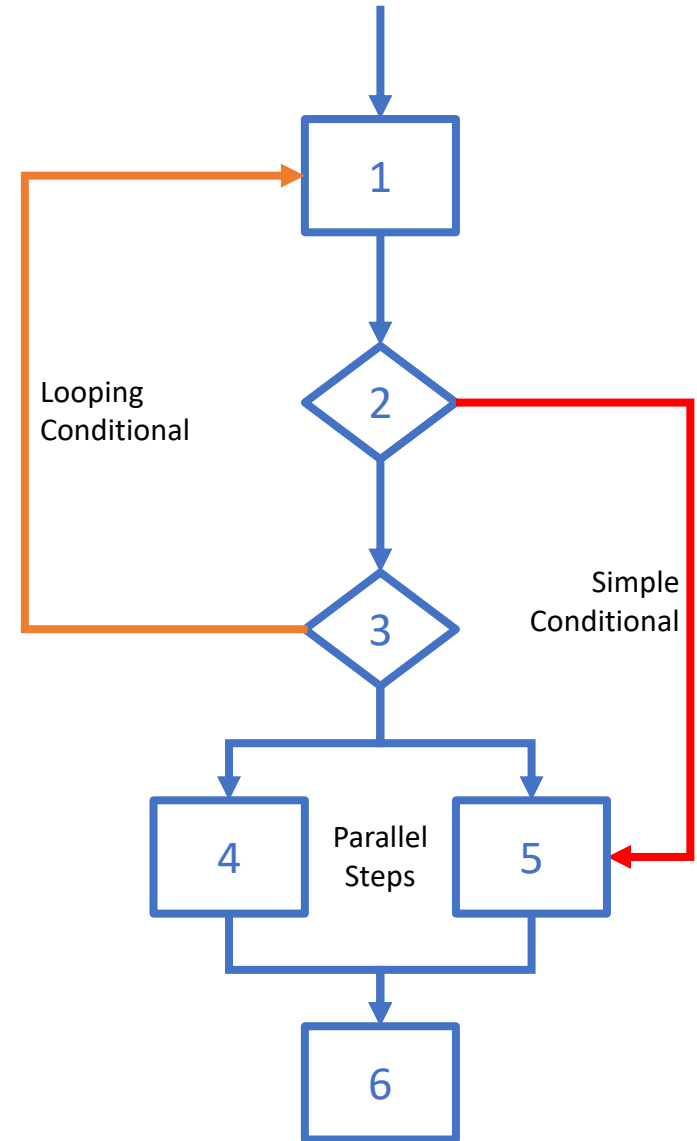
Automated standardized reports are built-in with every **flow** design



Error notification via email allows **users** to stay on top of process issues

Steps

- › Each step is an abstraction defined by a frontend UI and corresponding backend code
- › Steps can trigger single / multiple steps
- › Steps can conditionally trigger next steps
- › Steps can conditionally loop back and trigger prior steps
- › Next steps are triggered only when all dependent prior steps have been completed



Users & Reporting

- › Management & Allocation
 - › Flow Manager
 - › Step Manager
- › Execution
 - › Flow Manager
 - › Step Manager
 - › Operator
- › Allocation Methods
 - › Automated (pre-specified)
 - › Pull (FIFO queue for operators)
 - › Manual (by management)
- › Reporting
 - › Outputs & timestamps at a track level are rolled up to steps and flow for reporting

