

# **Low Code/No Code**

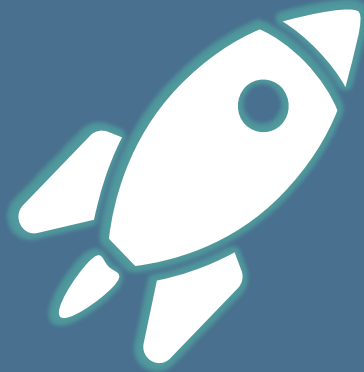
## **Can It Support The Business Acceleration?**

**Sigalit Shavit**

**Jan-2024**



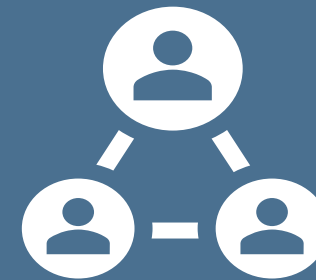
# THE DRIVERS



**BUSINESS ACCELERATION**



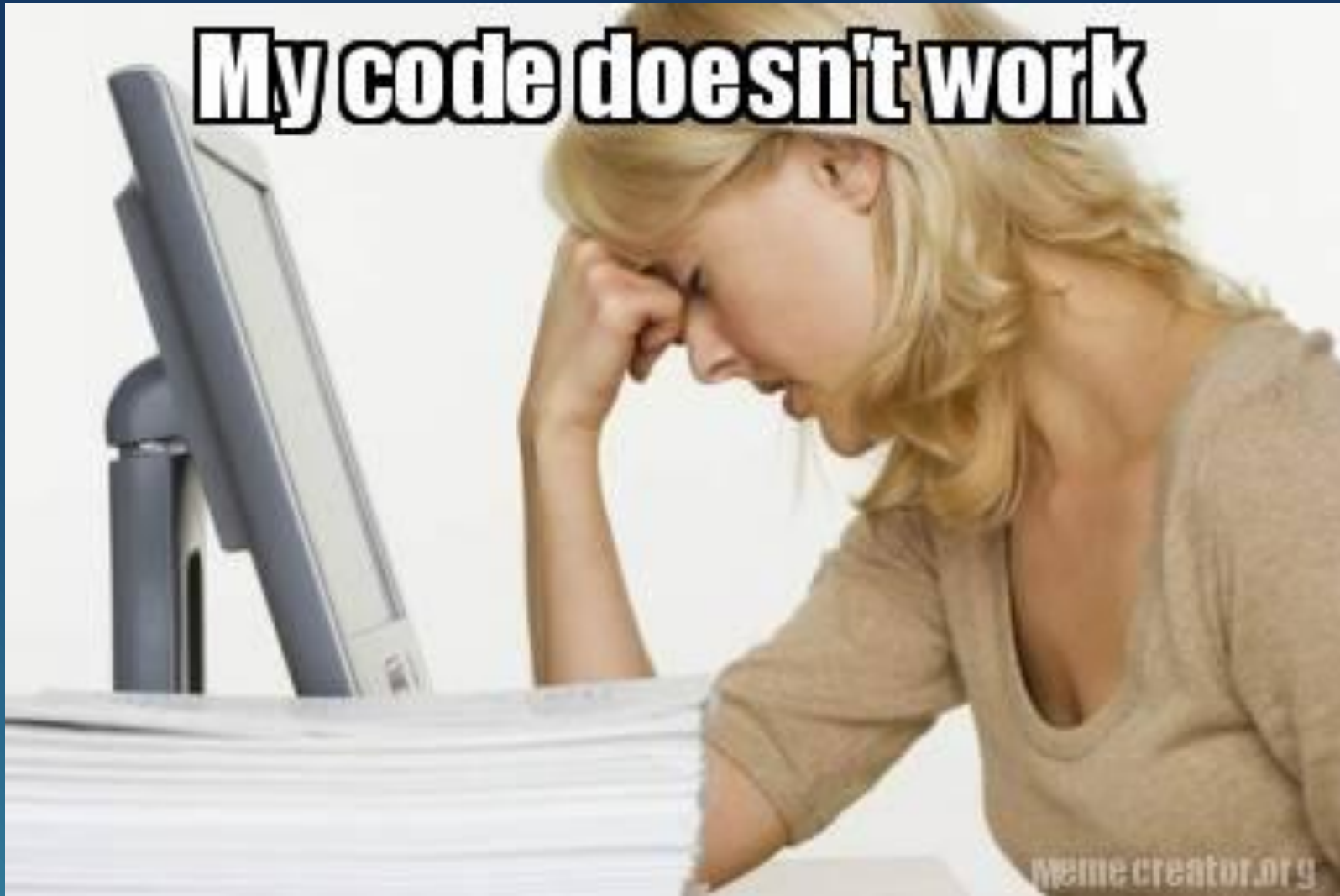
**DIGITAL TRANSFORMATION**



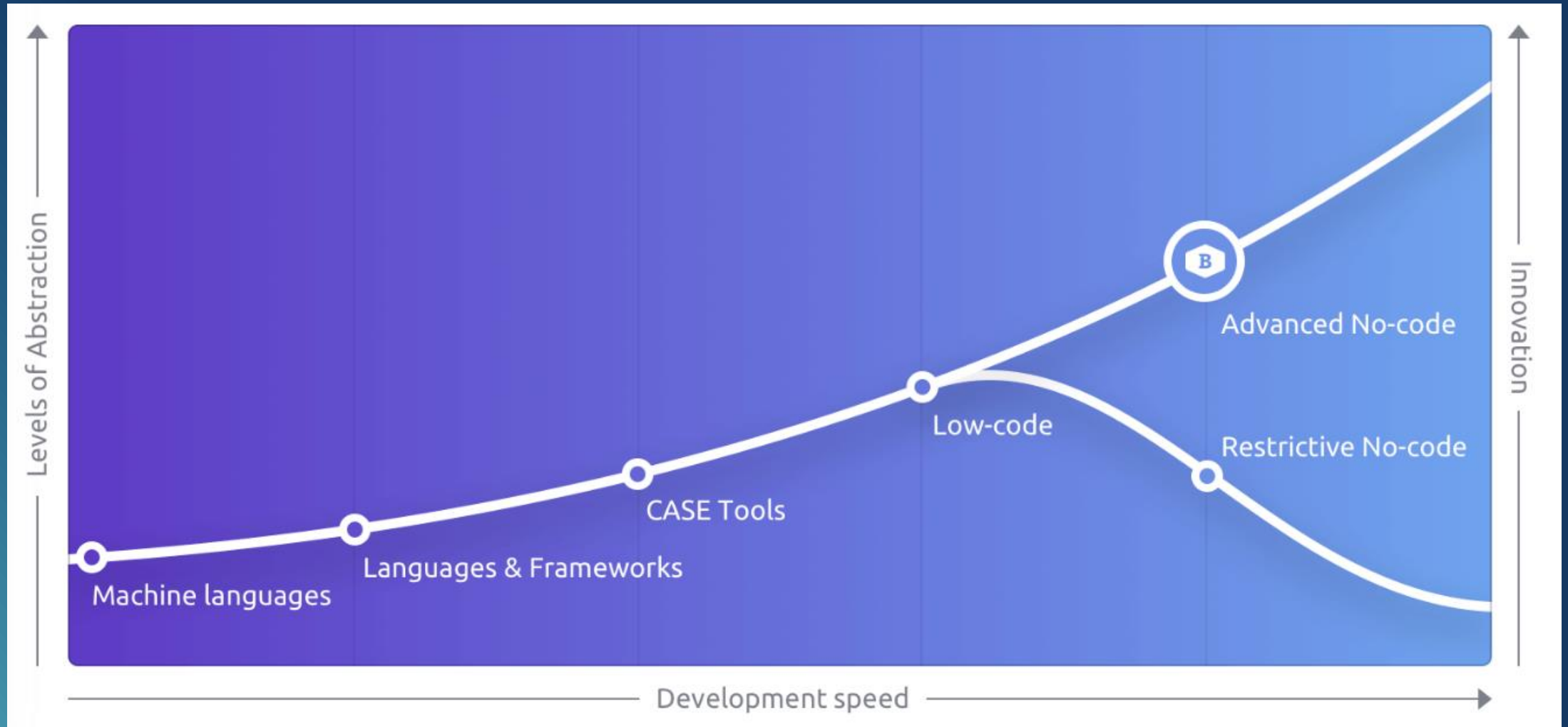
**SCARCE RESOURCES**



# LONG NIGHTS.....



# Evolution of Simplification & Abstraction



# WHAT IS IT?

## Low-code/No-code vs Custom App Development



Custom-Code



Low-Code



No-Code

# IN NUMBERS

10X

DEVELOPMENT  
SPEED WITH LOW-  
CODE COMPARED TO  
TRADITIONAL  
METHODS

Forrester

65%

PERCENTAGE OF  
SOFTWARE  
DEVELOPMENT THAT  
WILL BE USING  
LOW-CODE BY 2024

Gartner

3X

GROWTH OF LOW-  
CODE DEVELOPERS  
COMPARED TO  
TRADITIONAL  
DEVELOPERS

IDC

Examples


Impact


Yes or No








# NO CODE - INTEGRATION





























Upgrade

Customer projects

The place where every customer's project is managed from start to finish! [See More](#)

Main Table

Timeline

Projects income

Kanban

+

New Item

Search

Person

Filter

Sort

Hide

Group by

...

Last seen

Invite / 1

Board Power-Ups

...

Integrate

Automate

^

Active Projects

|                          | Item                           |  | Owner | Phone number   | POC   | Timeline                  | Analysis      | Creation      | Review        | Est. Hours    |  |
|--------------------------|--------------------------------|--|-------|----------------|-------|---------------------------|---------------|---------------|---------------|---------------|--|
| <input type="checkbox"/> | Campaign management            |  |       | 073-745-26...  | Ronit | Dec 26, '20 - Jan 25, '21 | Done          | Done          | Working on it | 35 Hours      |  |
| <input type="checkbox"/> | Create a website               |  |       | +1 808 226 ... | Alex  | Jan 1, '21 - Feb 4, '21   | Done          | Working on it | Stuck         | 45 Hours      |  |
| <input type="checkbox"/> | Design logos                   |  |       | +1 203 543 ... | Kelly | Jan 21, '21 - Feb 20, '21 | Working on it | Stuck         |               | 70 Hours      |  |
| <input type="checkbox"/> | Launch customer-facing podcast |  |       | +46 23 984 ... | Alex  | Feb 10, '21 - Feb 15, '21 | Stuck         |               |               | 60 Hours      |  |
| <input type="checkbox"/> | + Add Item                     |  |       |                |       |                           |               |               |               |               |  |
|                          |                                |  |       |                |       | Dec 26, '20 - Feb 20, '21 |               |               |               | 210 Hours sum |  |

Finished Projects

|                          |                     |  |  |                |       |                          |               |               |               |          |  |
|--------------------------|---------------------|--|--|----------------|-------|--------------------------|---------------|---------------|---------------|----------|--|
| <input type="checkbox"/> | Market analysis     |  |  | 453453463      | Igor  | Dec 22, '20 - Jan 8, '21 | Done          | Done          | Working on it | 80 Hours |  |
| <input type="checkbox"/> | Video production    |  |  | +1 314 685 ... | Jess  | Dec 24, '20 - Jan 6, '21 | Done          | Working on it | Working on it | 65 Hours |  |
| <input type="checkbox"/> | UX/UI design revamp |  |  | +30 21 056...  | James | Mar 5, '21 - Mar 31, '21 | Working on it | Working on it | Stuck         | 75 Hours |  |
| <input type="checkbox"/> | + Add Item          |  |  |                |       |                          |               |               |               |          |  |



# NO CODE - AUTOMATIONS

Creative Requests

Automations Center

Board Automations / 1

Account Usage

✕

Categories

Basic

Featured

Notifications

Status Change

Recurring

Due Dates

Item Creation

Move Item

Subitems

Dependencies

Custom

Search

Q

Learn to **automate** your workflow in **3 minutes**

New feature

When **person** is assigned, notify **me**

Add

Create Custom Automation

Supports subitems

Basic

+ Person

When an item is created assign creator as **person**

Use template

List

When **status** changes to **something** notify **someone**

Use template

Calendar

When **date** arrives notify **someone**

Use template

# NO CODE – ACTIVATE POLICY

NvIO

Platforms

Assets

Quality

Governance

Users



















Support

Settings

Assets

type20 / 3374

All Assets (0)Tables(1)Views (0)Dashboards (0)

| Name  | Type  | Provider   | Database | Schema | Columns   | Rows     | Status   | Last Change | Usage   |
|---|-------|--|----------|--------|-----------|----------|----------|-------------|---|
| auditlog_action_types_with_events<br>Asset Description... | Table |  Redshift On-Premises   | rivery   | stg    | 4 Columns | ~24,813K | Verified | in 13 hours |       |
| dim_mqa_type<br>Asset Description...                      | Table |  Redshift On-Premises   | rivery   | dwh    | 2 Columns | ~0K      | Verified | in 18 hours |       |
| netsuite2_vendor_type<br>Asset Description...             | Table |  Redshift On-Premises   | rivery   | ods    | 6 Columns | ~0K      | Verified | in 10 hours |       |
| netsuite_journal_type<br>Asset Description...             | Table |  Redshift On-Premises | rivery   | ods    | 7 Columns | ~0K      | Verified | in 11 hours |   |
| netsuite_order_type<br>Asset Description...               | Table |  Redshift On-Premises | rivery   | ods    | 7 Columns | ~0K      | Verified | in 11 hours |   |
|   | Table |  Redshift On-Premises | rivery   | ods    | 2 Columns | ~0K      | Verified | loading ... |   |

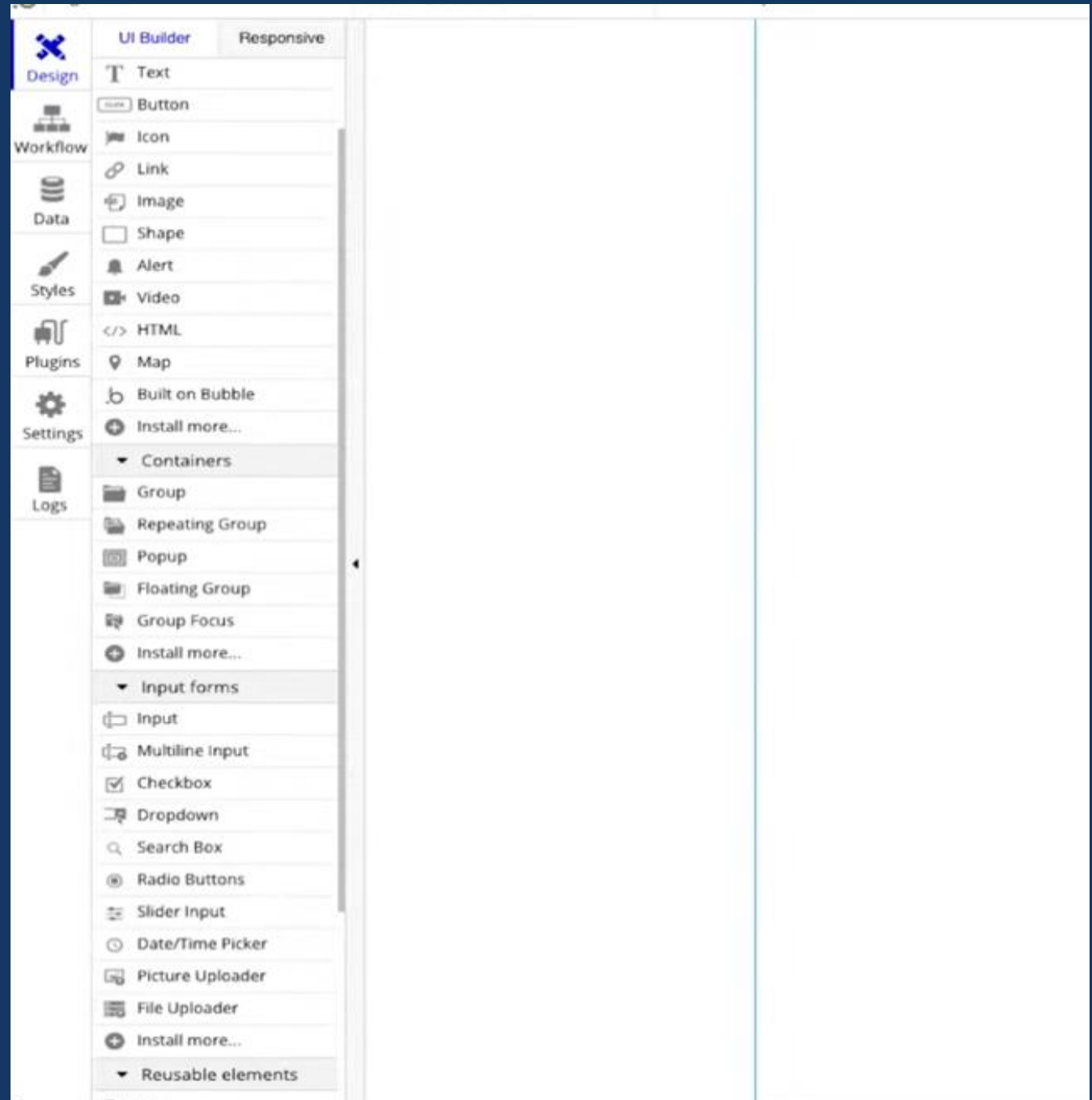
# LOW+NO CODE – CREATE CUSTOMER POLICY

The screenshot displays the nv.io dashboard interface. The top navigation bar includes the nv.io logo and a sidebar with links to Platforms, Assets, Quality, Governance, and Users. The main content area is titled "Recommendation" and features a search bar and filters for All Tests (52), Custom (49), Observability (3), Dimension (0), and Flows (0). A list of tests is shown, each with a description, a "Custom" button, a status indicator (Min/Max), a toggle switch, a user name, a timestamp, a visualization, and a set of colored circles (B, M, B) representing different metrics or statuses. The tests include:

- ods.eud\_swat\_errors\_daily\_e - missing day: check if an expected daily data is missing. Custom, Min:0, Max:0, Nir, Barak, Jan 11, 2024 3:13 pm.
- ods.eud\_swat\_errors\_daily\_u - missing day: check if an expected daily data is missing. Custom, Min:0, Max:0, Nir, Barak, Jan 4, 2024 4:06 pm.
- dwh.fact\_success\_profile\_monthly\_v2 - System guid No Duplications: No Duplications. Custom, Min:1, Max:9999999999, Amit, Haim, Jan 4, 2024 12:47 pm.
- Decrease/Increase in total exposed users (40%) by data center: Issue with total exposed users by data center. Custom, Min:1, Max:9999999999, Amit, Haim, Jan 2, 2024 3:21 pm.
- Adoption Score Issue: Issue with adoption score. Custom, Min:1, Max:99999999, Shmuel, Milavski, Jan 2, 2024 3:12 pm.
- dwh.dim\_success\_v2 - Create date earlier than go live date Logic: Custom, Min:1, Max:9999999999, Amit, Haim, Jan 2, 2024 11:40 am.
- dwh.fact\_success\_profile\_monthly\_v2 - Null system\_guid cannot be null: Custom, Min:1, Max:999999, Bar, Kagan, Jan 2, 2024 11:07 am.

The bottom of the screen shows a macOS dock with various application icons, including Safari, Mail, Calendar, Photos, App Store, Settings, Messages, Notes, Spotify, WhatsApp, Chrome, Microsoft Office, and Zoom.

- Rich tools set to build quick....
- Applications
- Workflows
- Security - SSO/MFA
- Connectors
- etc etc etc



Examples

Impact

Yes or No



- Change mgmt.
- Code length & complexity
- Code abstraction, App layer
- CI/CD tools



Coding  
Methods &  
Technology



Accessibility  
& Persona

- Programmers level
- Citizen developer

- Business logic domain specific
- Dependencies & business interoperability
- Adaptability
- Enterprise grade
- Enterprise legacy



Mission  
Type &  
Complexity

Cost in  
Time &  
Funds

- Resources availability & cost
- Time to value
- Infra & security
- Scalability & High performances
- DR, HA
- Self efficiency tools and Knowledge



# DEMOCRATIZATION & THE CITIZEN DEVELOPER

- 2000 (!) Gartner IT evolution prediction
- **One conductor and many players** – responsibility/accountability
- We need to **re-set the stage** with new and clear playground rules based on:
  - The criticality of the business solution
  - The cross-org standardization requirements
  - Organization Productivity





| Use cases (*)   | Citizen user | Citizen developer | Stakeholder | IT |
|---|--------------|-------------------|-------------|----|
| Specific actions in the platform<br>e.g. Can create workflows |              |                   |             |    |
| No/Low code (“Local”)   |              |                   |             |    |
| Dev, No/Low code (Cross platform)                             |              |                   |             |    |
| Build and CD  |              |                   |             |    |
| Run production  |              |                   |             |    |
| Security  |              |                   |             |    |
| Sys Admin   |              |                   |             |    |
| Contract  |              |                   |             |    |
| Service Level   |              |                   |             |    |

(\*) Roles are broken down to use cases



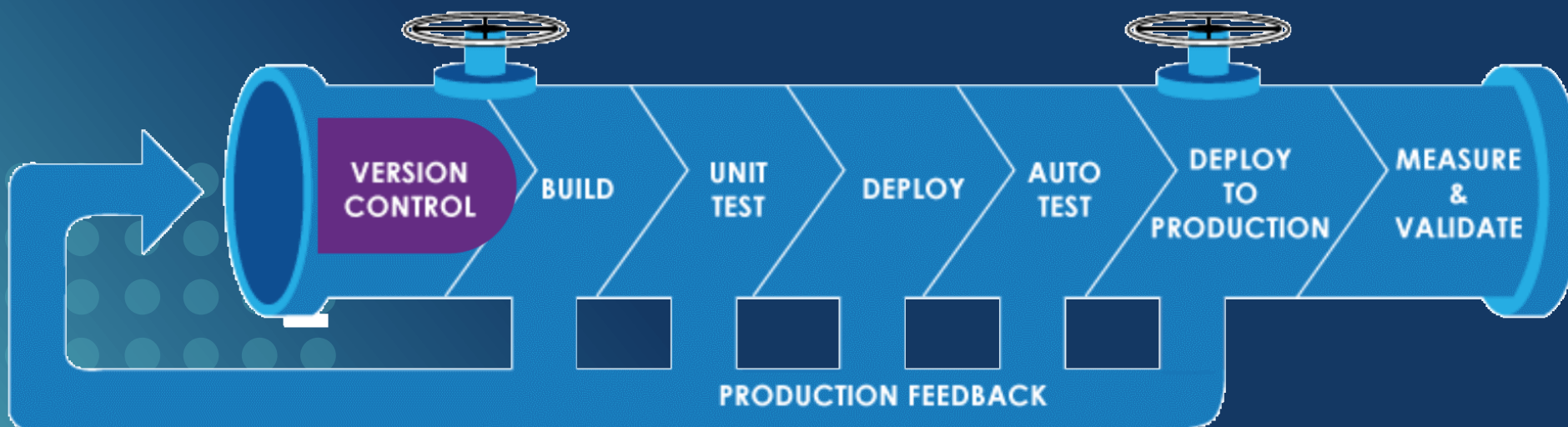
# SOFTWARE DELIVERY PIPE

IF NO IMPACT ON.....

- CROSS BUSINESS PROCESSES & BUSINESS STANDARDS
- CROSS ORG COORDINATION AND COMMON LANGUAGE
- THE PLATFORM AND OTHER SYSTEMS STABILITY, SCALABILITY & CONFIGURATION

THEN

- MANAGED PIPELINE IS NOT REQUIRED
- ONLY, MAYBE – KNOWLEDGE DOCUMENTATION IS IMPORTANT



# VENDOR SELECTION CRITERIA

- **What is the purpose?**
- **Use cases map (recommended: define it by persona)**
- How complex in terms of architecture and solution logic
- Business criticality
- Who are the users, their skills and their solution role
- External users?
- Interfaces
- Addons in product (functionality, security, interfaces...)
- Marketplace
- **Flexibility and development tools**
- **Roles and permissions granularity to fit your democratization approach**
- Security grade
- Support terms
- **Community**
- **Knowledge base availability and standards**
- Availability
- Enhancements commitments
- License fits not just cost but also type of users
- Vendor solution positioning and installed base

# COMPARISON

| Measure             | No Code | Low Code | Traditional | NOTE                                     |
|---------------------|---------|----------|-------------|--|
| Fast to result?     |         |          |             |  |
| User Experience     |         |          |             | Modern and standard vs. efforts          |
| QA & CI/CD          |         |          |             | Platform stability, Efforts, Durations   |
| Tech Skillsets      |         |          |             | Tech Skillsets and Resources utilization |
| Accessibility       |         |          |             |  |
| Adaptability        |         |          |             | Grow with - Depends on the use cases!    |
| Business complexity |         |          |             |  |
| Maintenance         |         |          |             |  |
| Cost                |         |          |             | Cost of ownership, Cost to delivery      |
| Interoperability    |         |          |             | Interfaces, Mobile                       |
| Advanced tech       |         |          |             | Embedded                                 |
| Scalability         |         |          |             | Cloud/HW Resources, performances         |

IT DOESN'T MEAN LOW/NO CODE IS ALWAYS THE RIGHT ALTERNATIVE!



Impact

Examples

Yes or No



# NO & LOW – Yes or No



- Business acceleration
- Citizen's productivity
- IT positioning
- IT Dev & Ops shift to business layers
- Bridge legacy constraints  
OR enable gradual upgrade
- Developers' shortage and costs



- The use case matters
- Solutions autonomy turning to future headache
- Are your users ready?
- Cost of ownership – ROI



NEW  
MINDSET

NEW  
RESULTS



**Thank You!**

