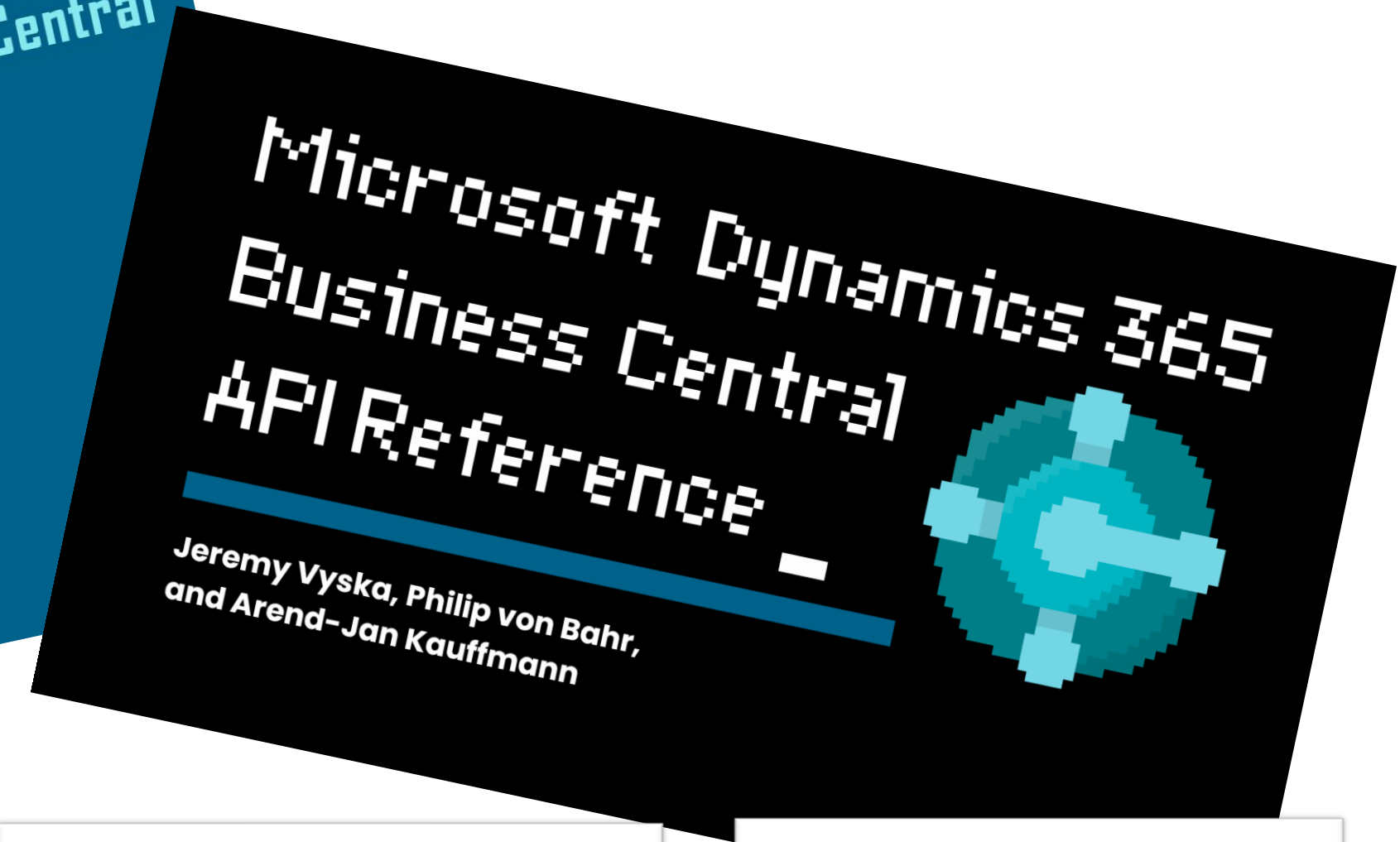
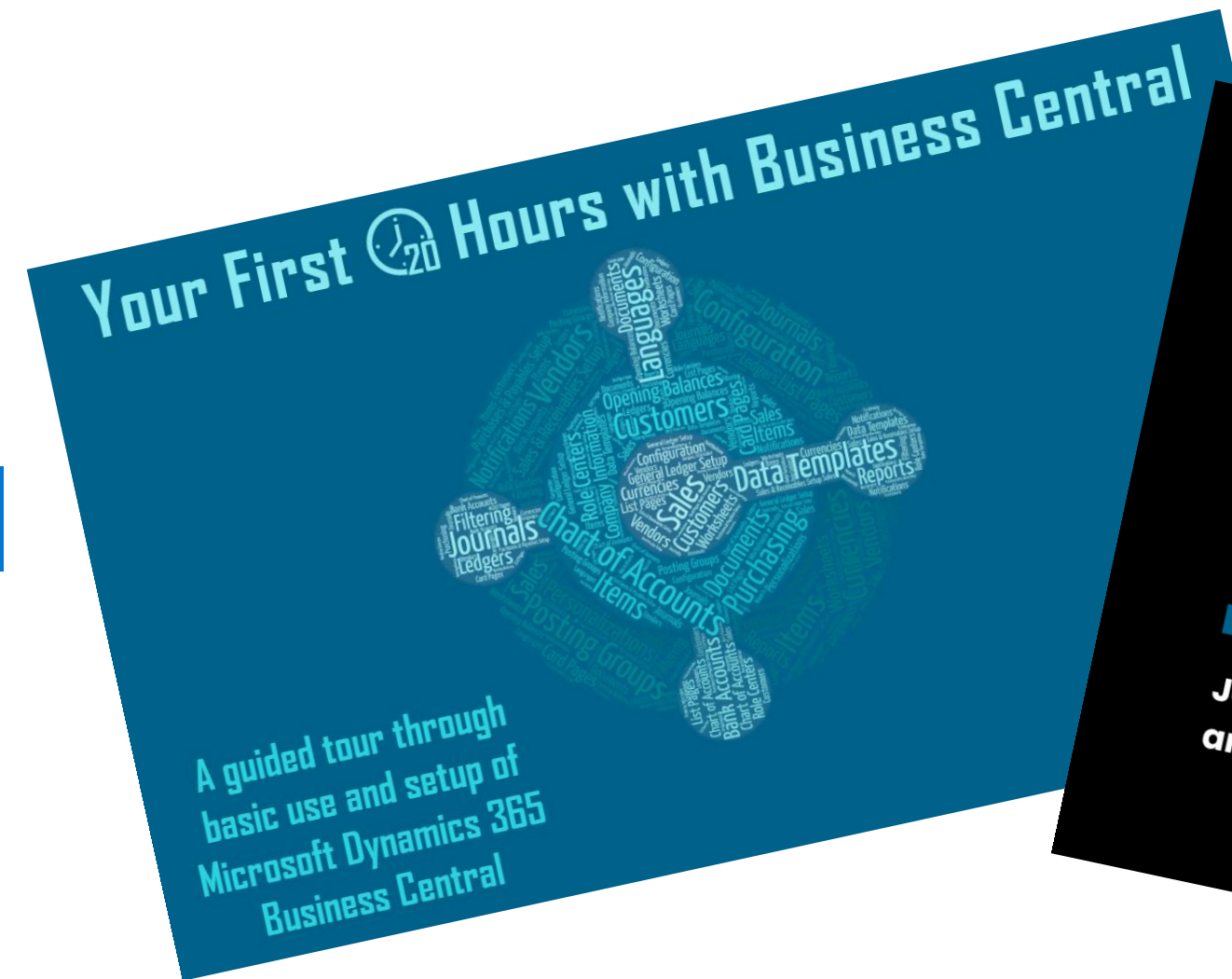


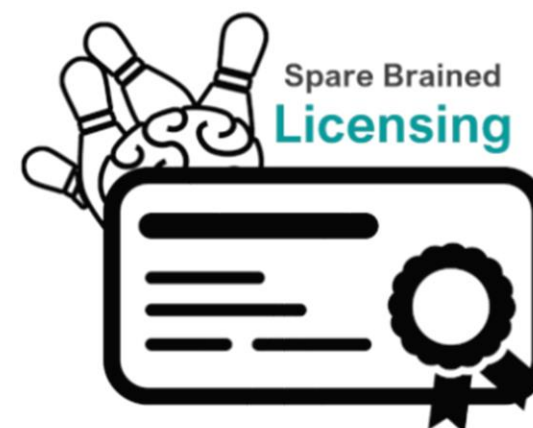


Jeremy Vyska 
Author, Speaker, Educator



AL Guidelines

Part of the team behind the Community Led and Microsoft Approved AL Reference



Spare Brained Licensing

A free and open-source AppSource app to handle Licensing and Monetization for Business Central Extensions.



Business Central Wallpapers

Make your Desktop background shine with your appreciation of Business Central. Free to use!



Stay on top of everything.
Create automated newsletters with the best content on your favorite topics.

BC Community Newsletter

A free daily or weekly round-up of the top Tweets and Blog Posts of the community, including Microsoft.



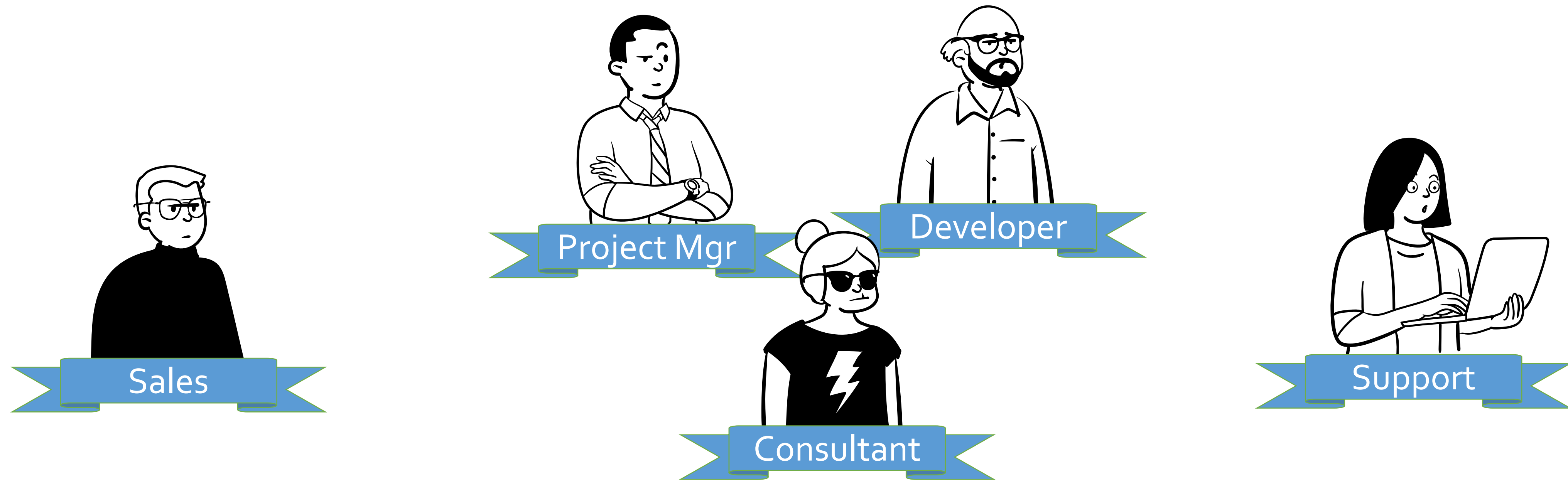


MISE EN PLACE

Putting Everything into Place



Business Flow - Implementation



Demonstrate

Analysis

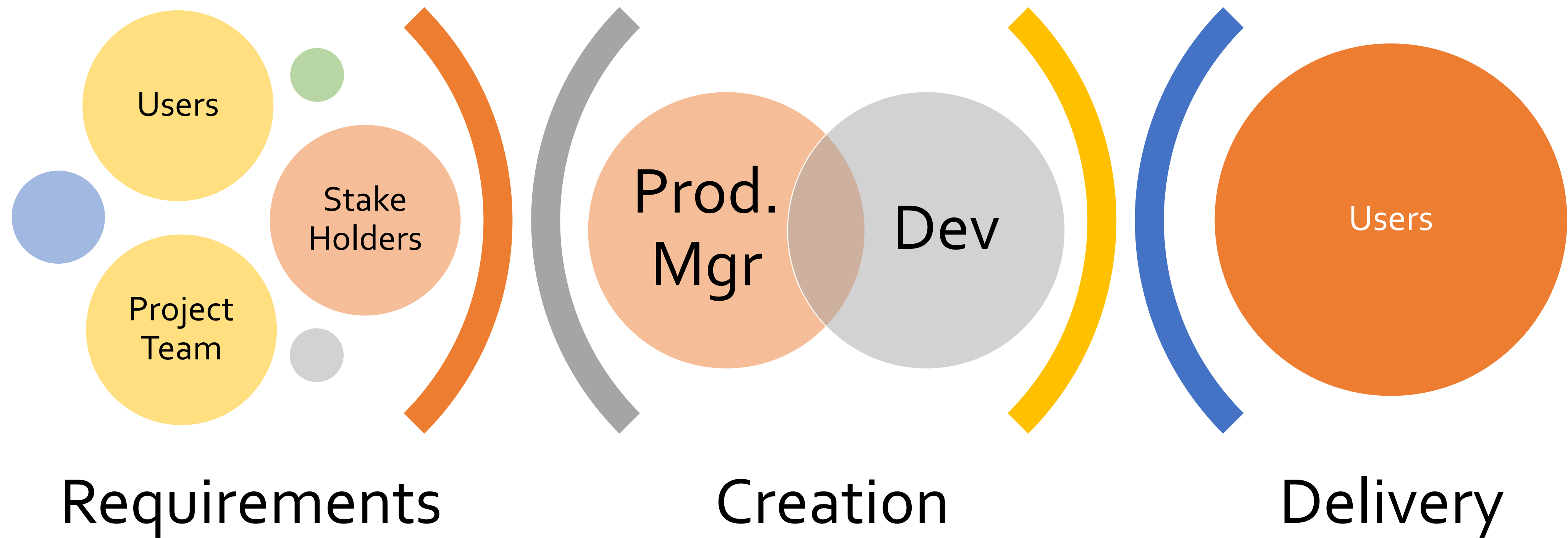
Customize

Implement

Solve



Business Flow – Product Creation



The Before Times



- Native Development IDE
- 1 Language
- 1 Presentation (screen) system
- 1 Report System

Everything was on the CD.



The Business Central Era

AZURE ACTIVE DIRECTORY
TEST FRAMEWORK JSON
POWERSHELL
BRANCHING STRATEGIES
SANDBOXES
SSL
AZURE BLOB STORAGE
APP SOURCE
JAVASCRIPT
JUPYTER NOTEBOOKS
CI/CD
BUILD ARTIFACTS
CODECOP VALIDATION
AZURE DEVOPS
OAUTH
EXTENSIBILITY
ATDD
DOCKER
ALOPS
SQL REPORT
LOGIC APPS
DESIGN
AL DESIGN
GIT
PIPELINES
BUILDER
BUILD AGENTS
CONTAINERS PATTERNS
REST API
SNAPSHOTS
SINGLE SIGN-ON
TEST LIBRARIES
DEPENDENCY MANAGEMENT
AZURE FUNCTIONS
XLIFF
ODATA v3 & v4
IIS
AZURE DATA STUDIO
KQL
SYNCHRONIZATION
VERSION
DOTNET LIBRARIES
TELEMETRY
EXTENSIONS TO
MAKE EXTENSIONS
CONTROL
POWER PLATFORM
MARKDOWN
BC-CONTAINERHELPER
YAML
AL-GO
AZURE FUNCTIONS
WORKSPACES
POWER BI

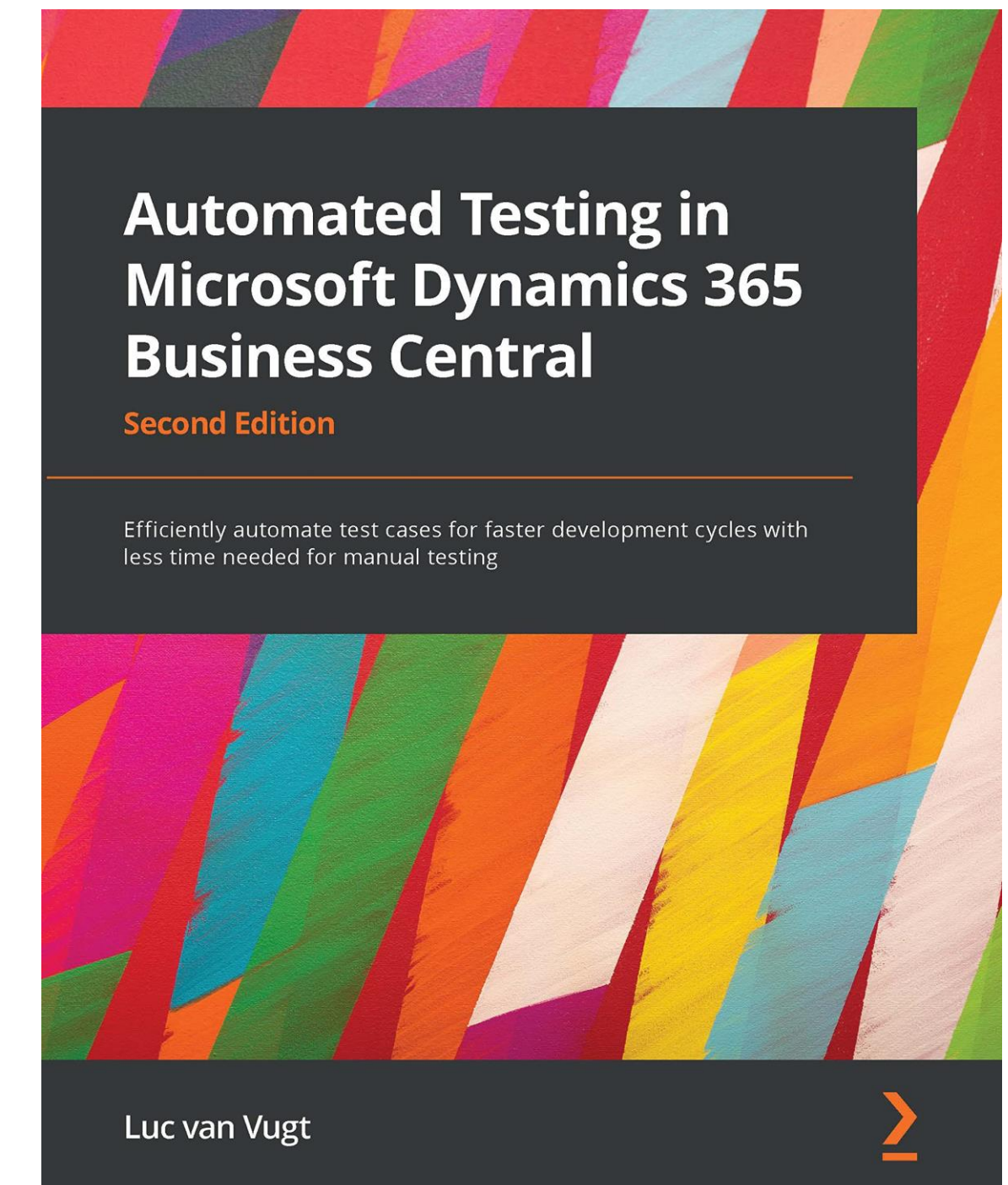


The Business Central Era

TEST FRAMEWORK

"We are like dwarves sitting on the shoulders of giants. We see more, and things that are more distant, than they did, not because our sight is superior or because we are taller than they, but because **they raise us up**, and by their great stature add to ours."

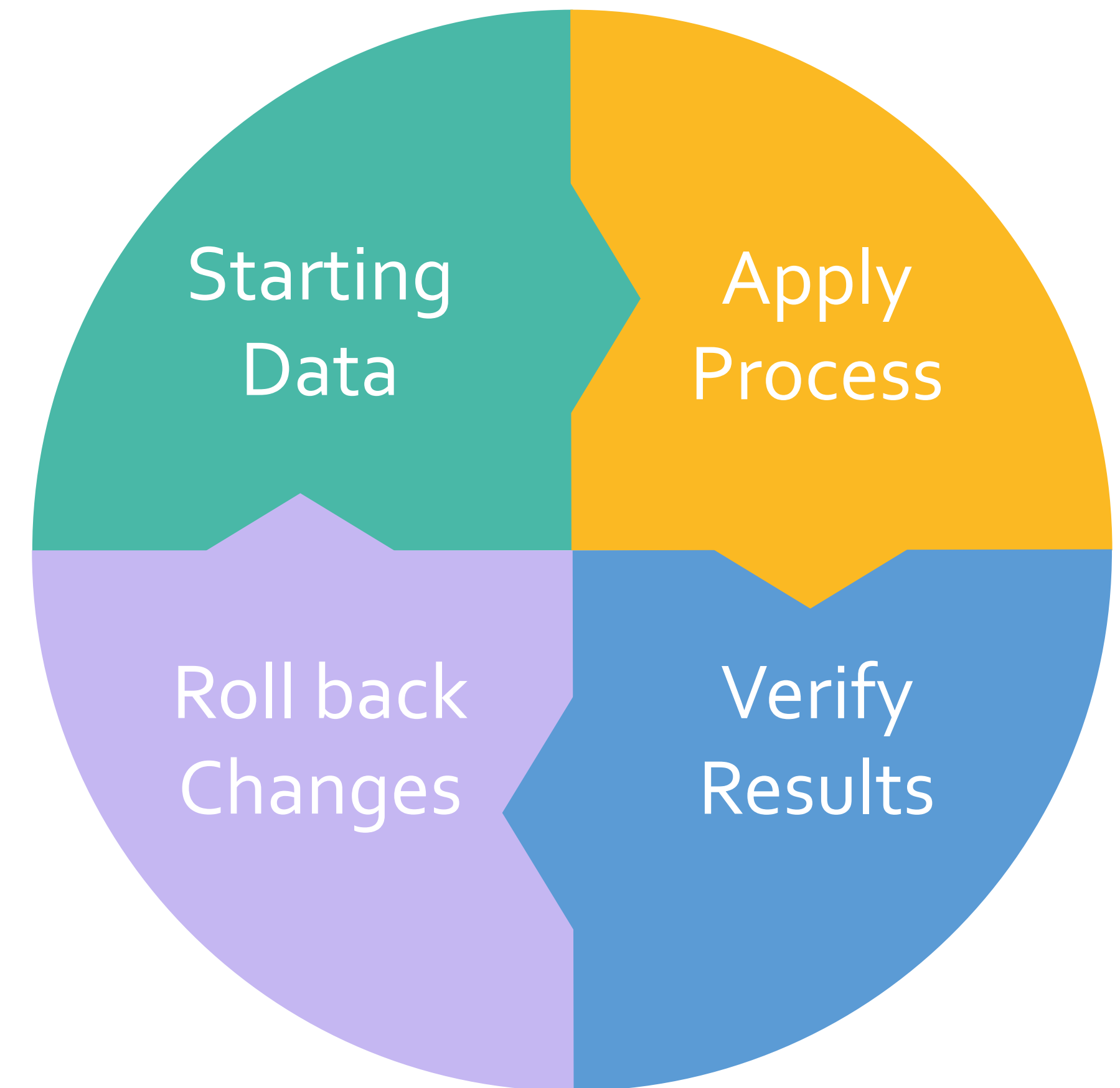
- John of Salisbury, Metalogicon, 1159



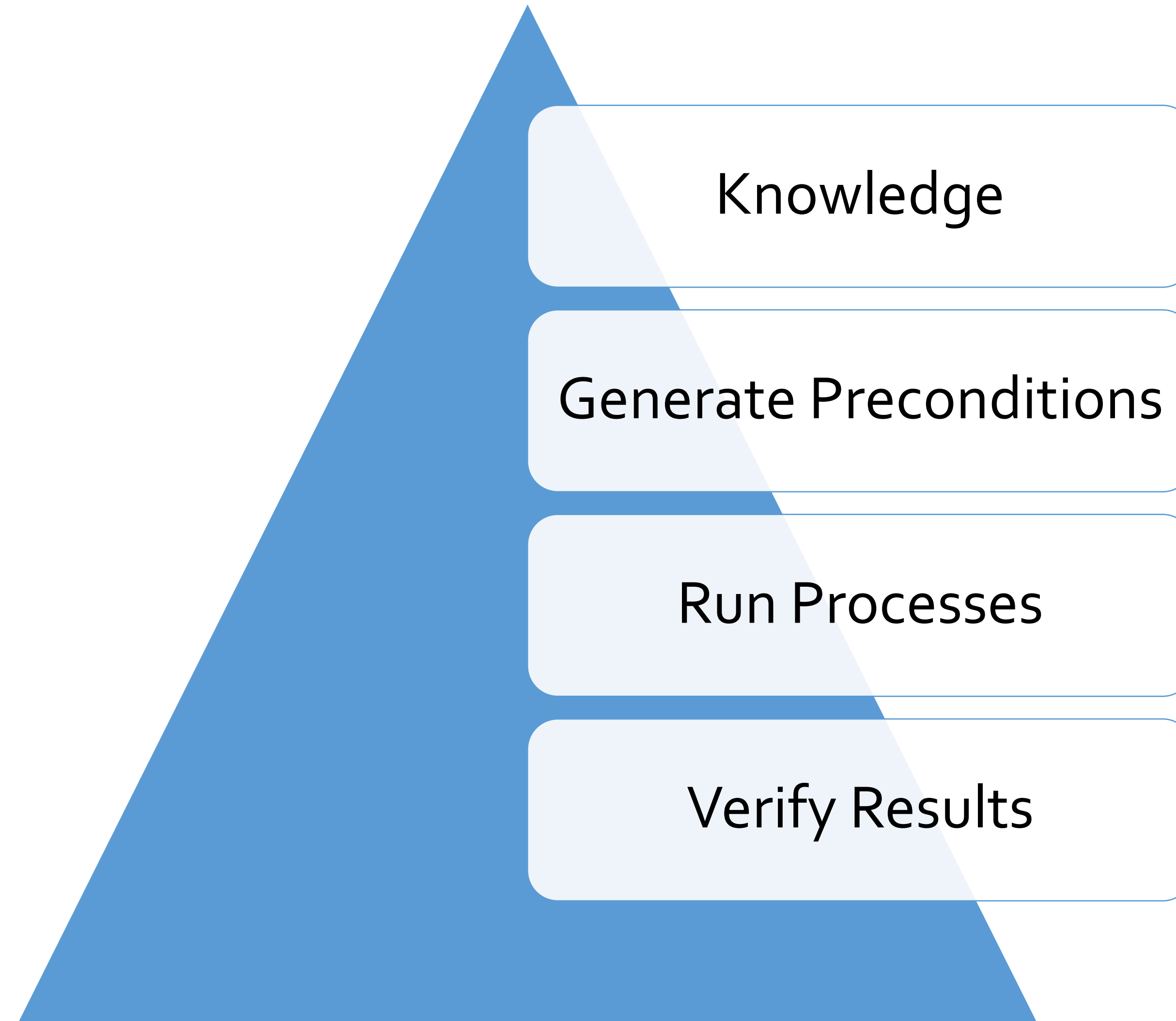
When I'm talking Testing today

A cultivated process to

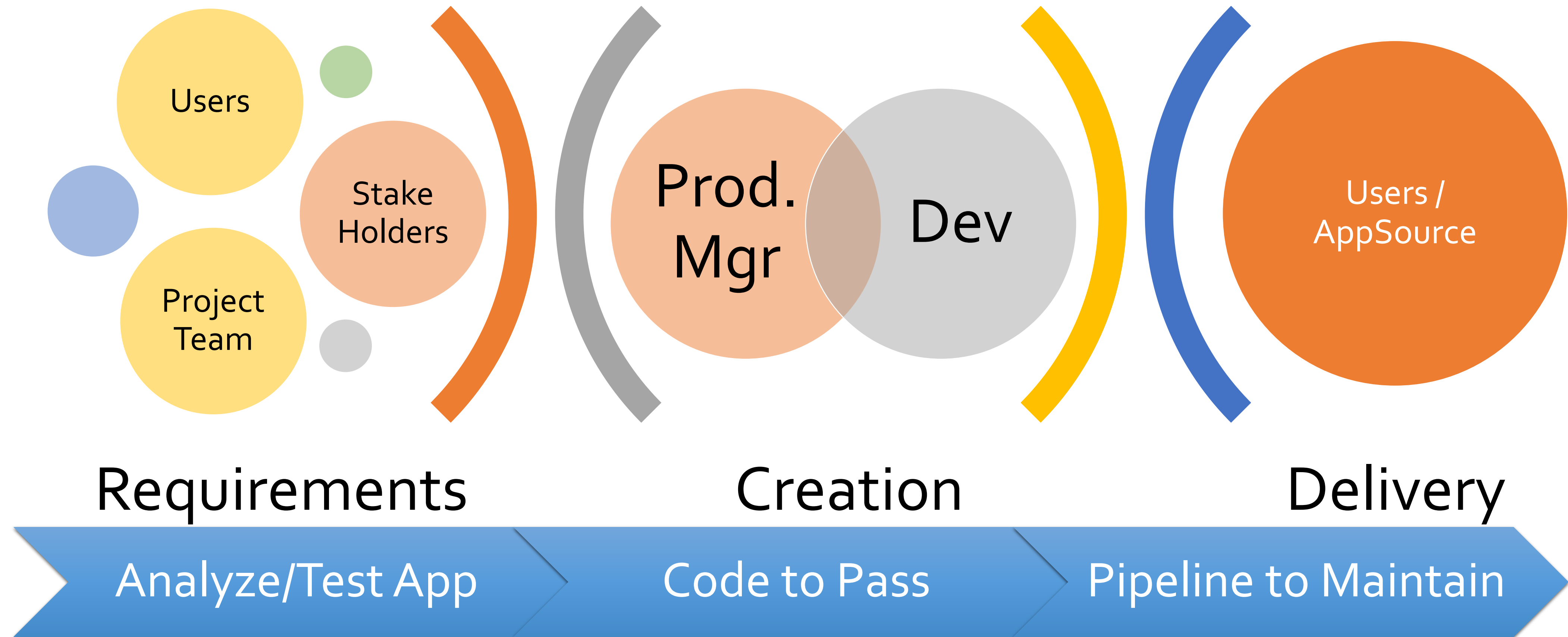
- take a set of preconditions
- apply a set of processes
- verify that the processes worked
- repeatably/consistently (rollback)



A typical BC Test App



Solution Creation Process

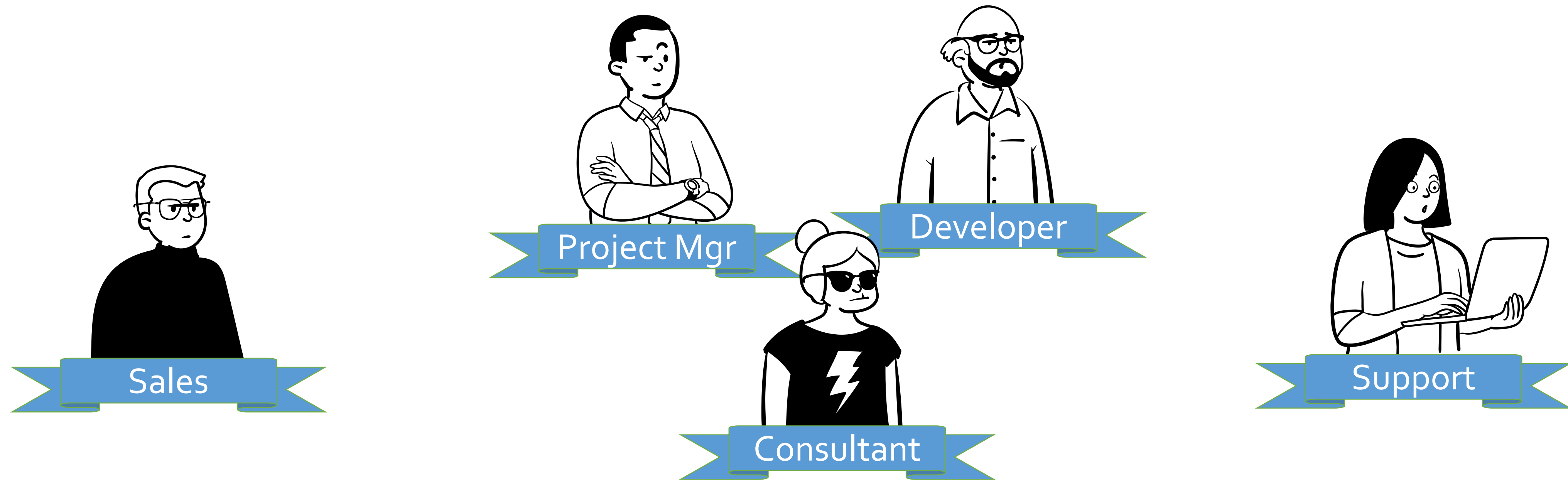


NOW WE COOK

Testability's Many
Other Uses



Business Flow - Implementation



Demonstrate

Analysis

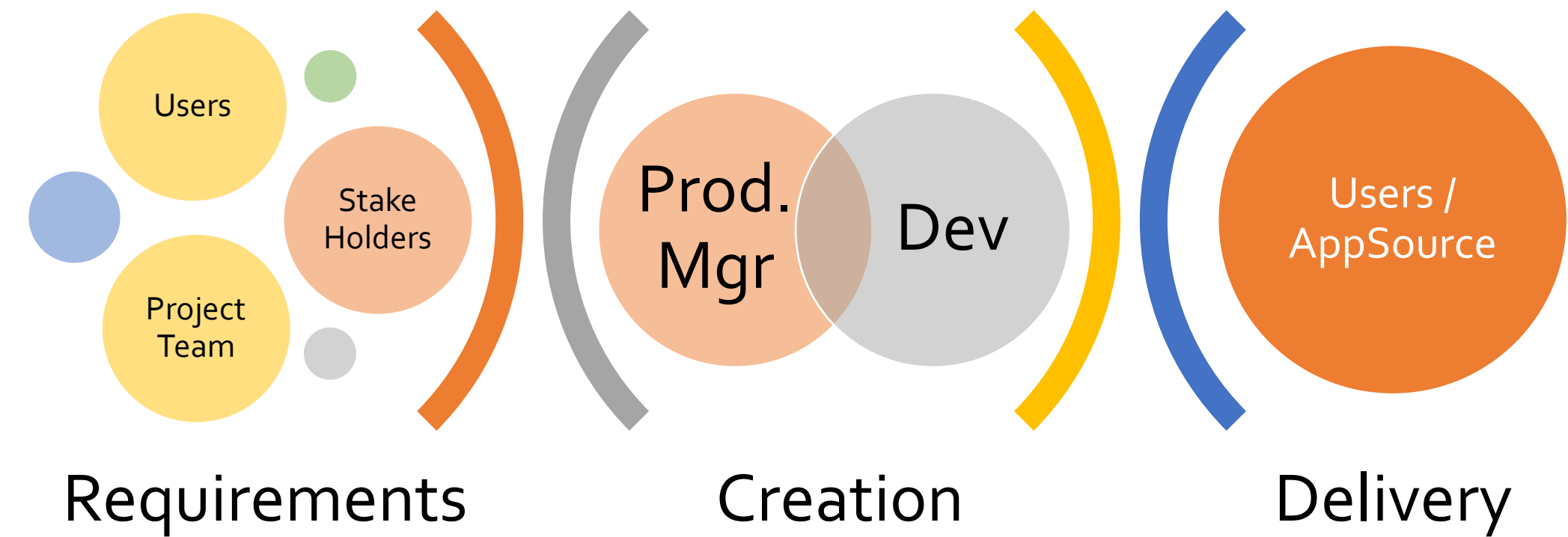
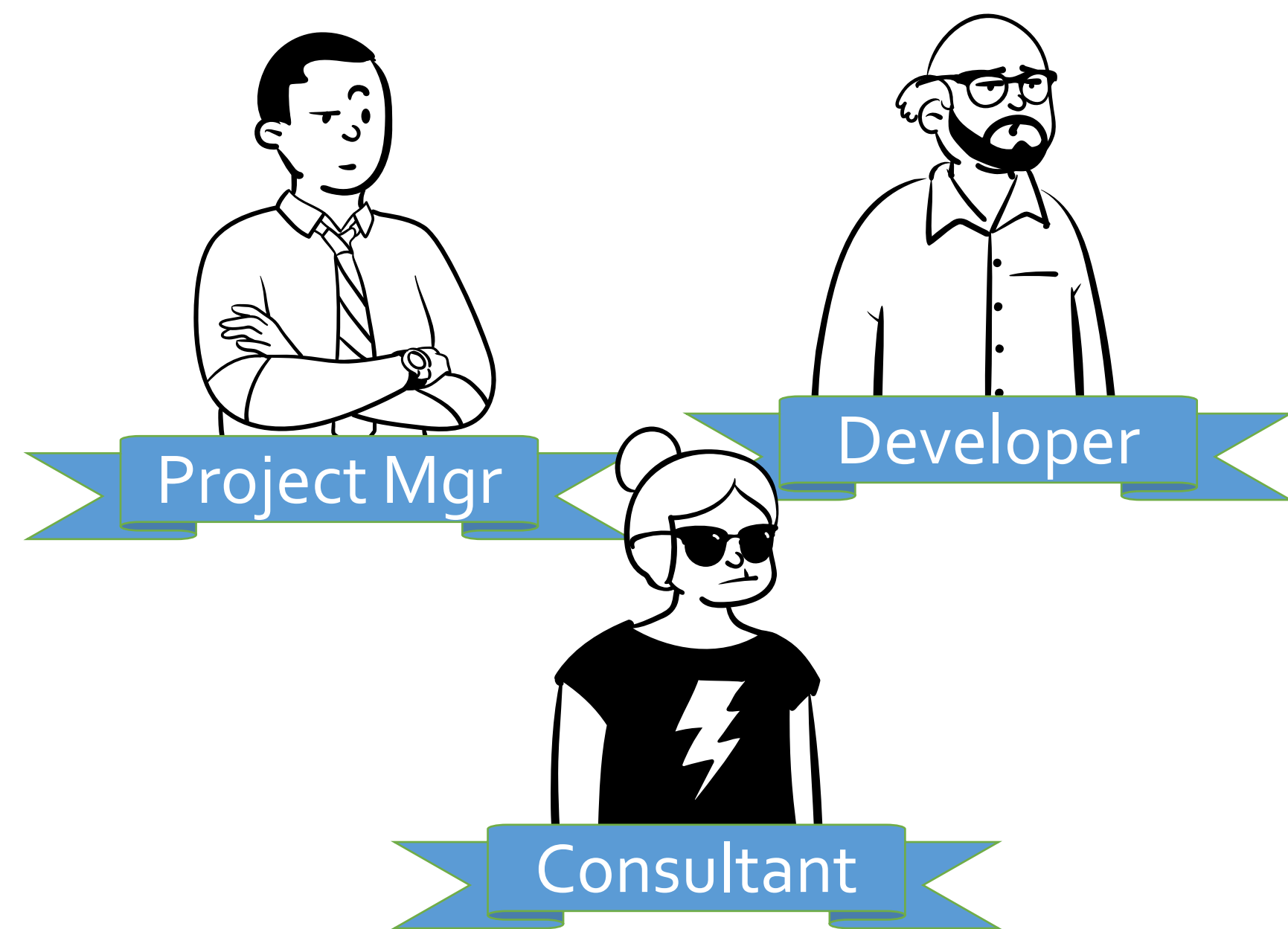
Customize

Implement

Solve



Business Flow - Customize

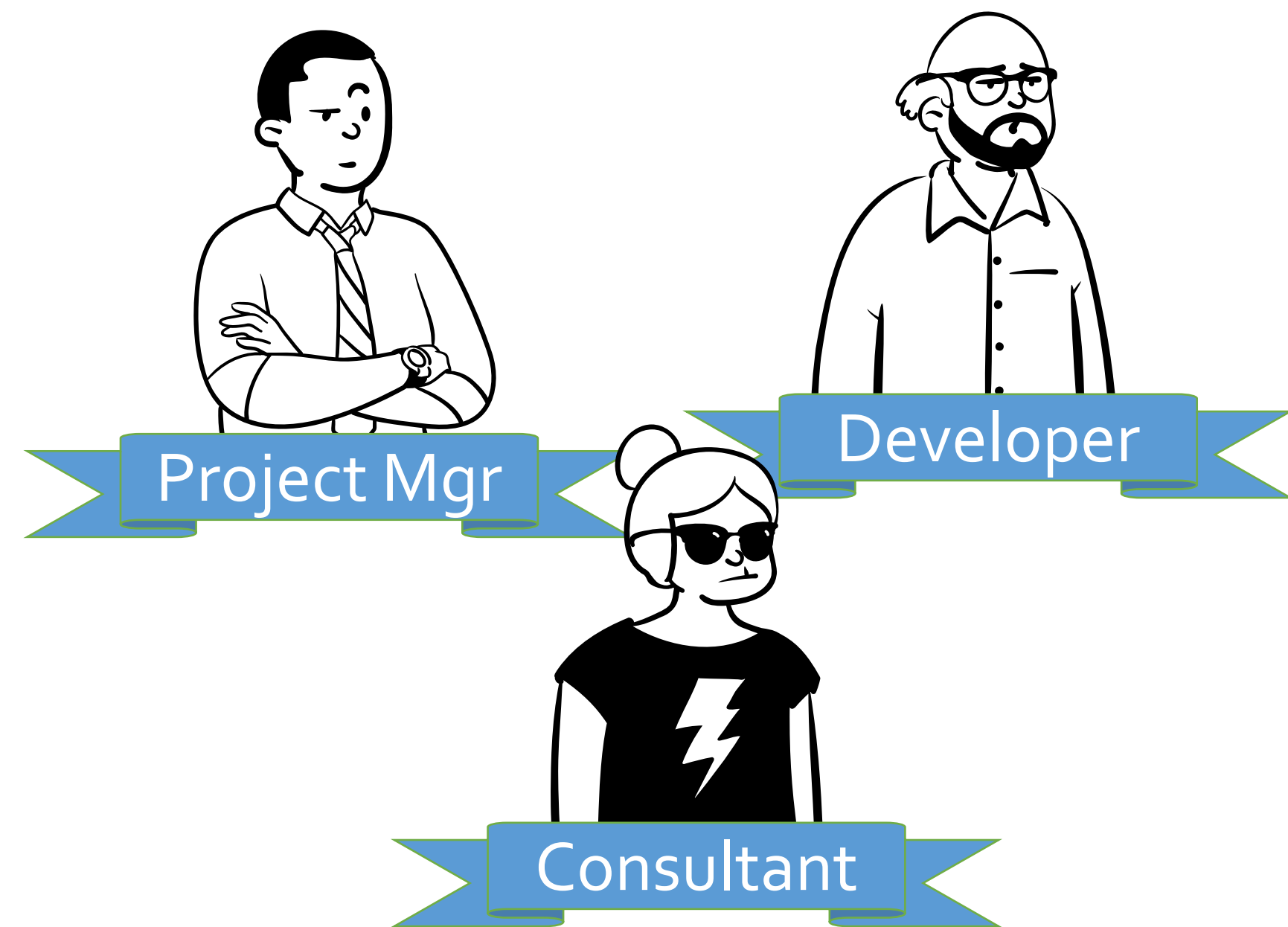


“Traditional” Test Use

Proactive – Per Functionality



Business Flow – Business Processes



“Smoke Tests”

Proactive – Critical Processes



Business Flow – Support/Solve



“Traditional” Test Use

Reactive



Business Flow – Support/Solve



Diagnostics

Self Solve!

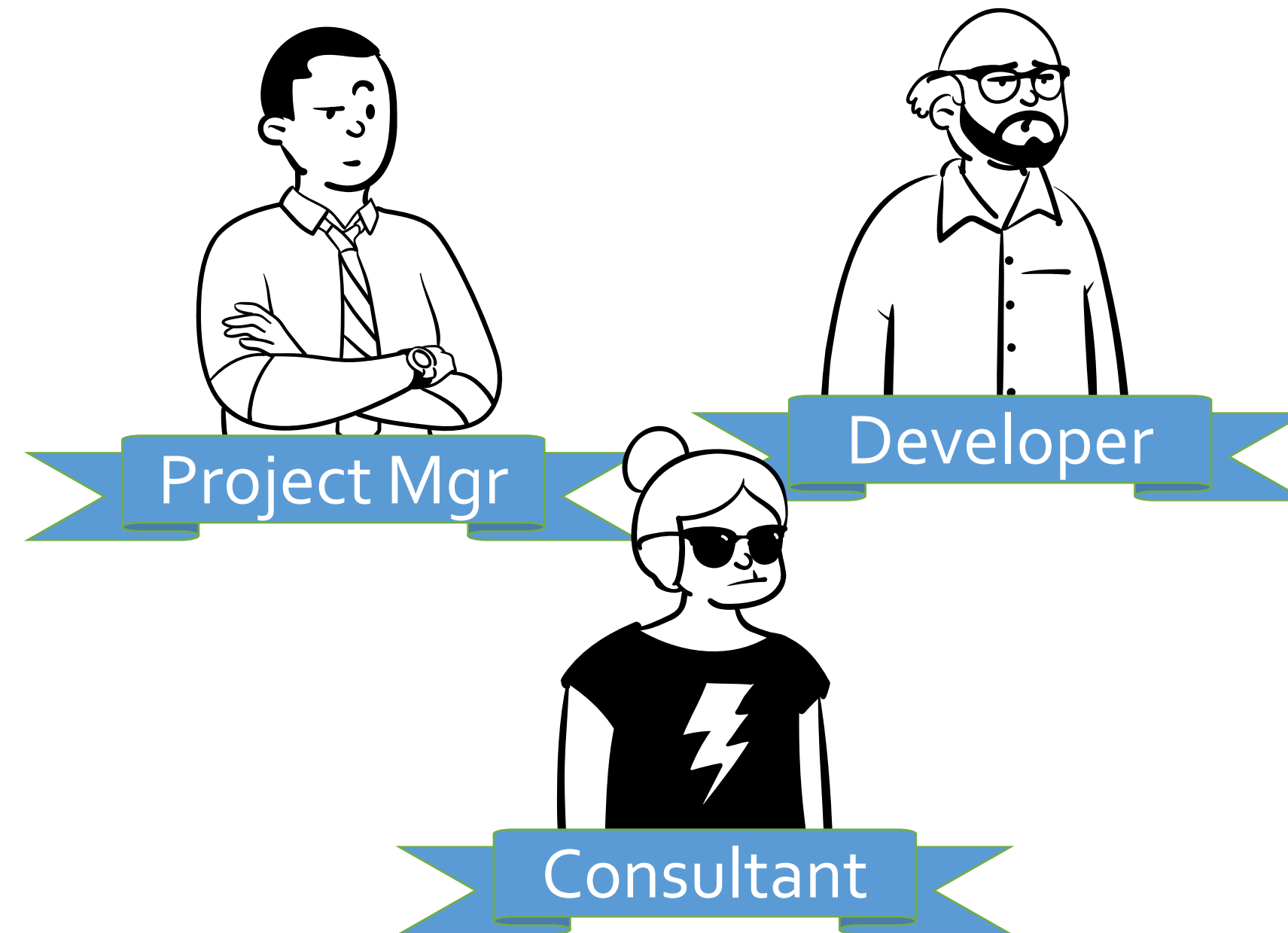


Pipelines

(Please nod)



Business Flow - Implementation



Demonstrate

✗ Analysis

✓ Customize

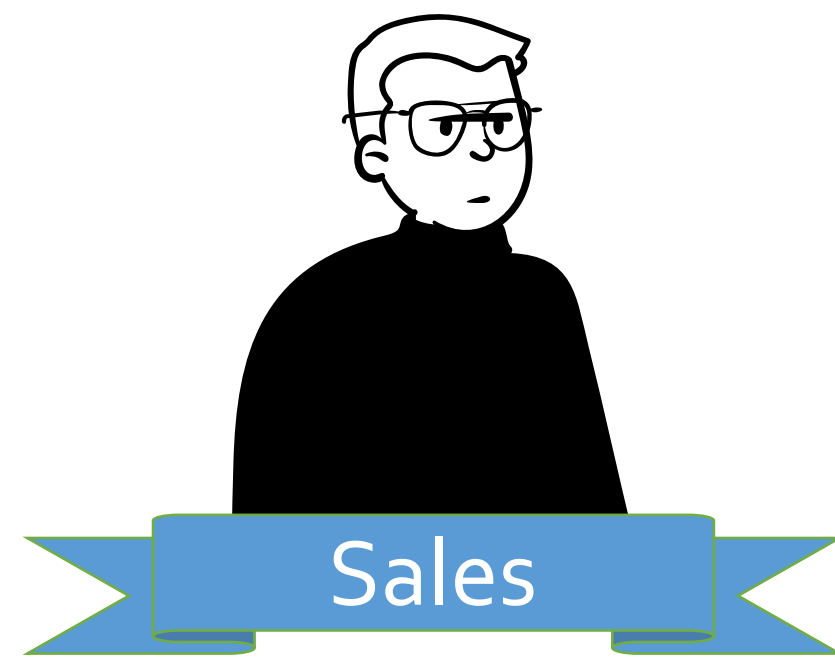
Implement

✓ Solve

✓ Prevention



Business Flow - Sales



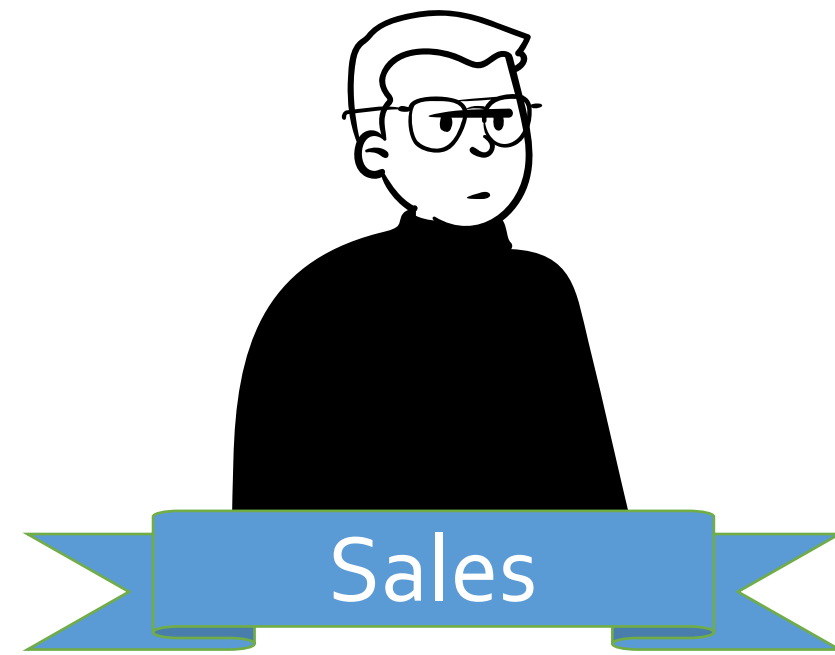
Demonstrate complex system
processes and features

Make it relatable

Demonstrate



Business Flow - Sales

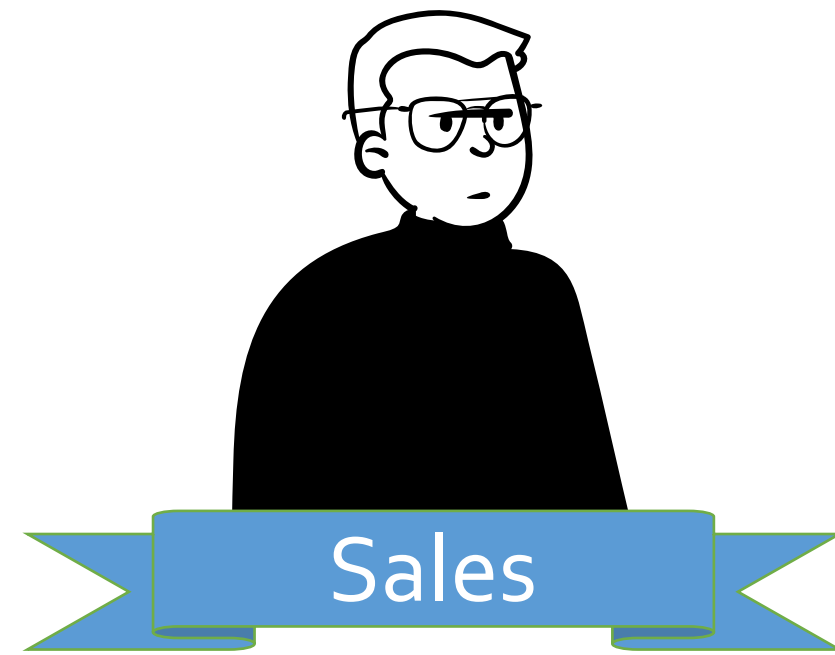


Demo

Demonstrate



Business Flow - Sales



- Using testability tools, you can:
- Create demonstration “starters”
 - Make the system relatable

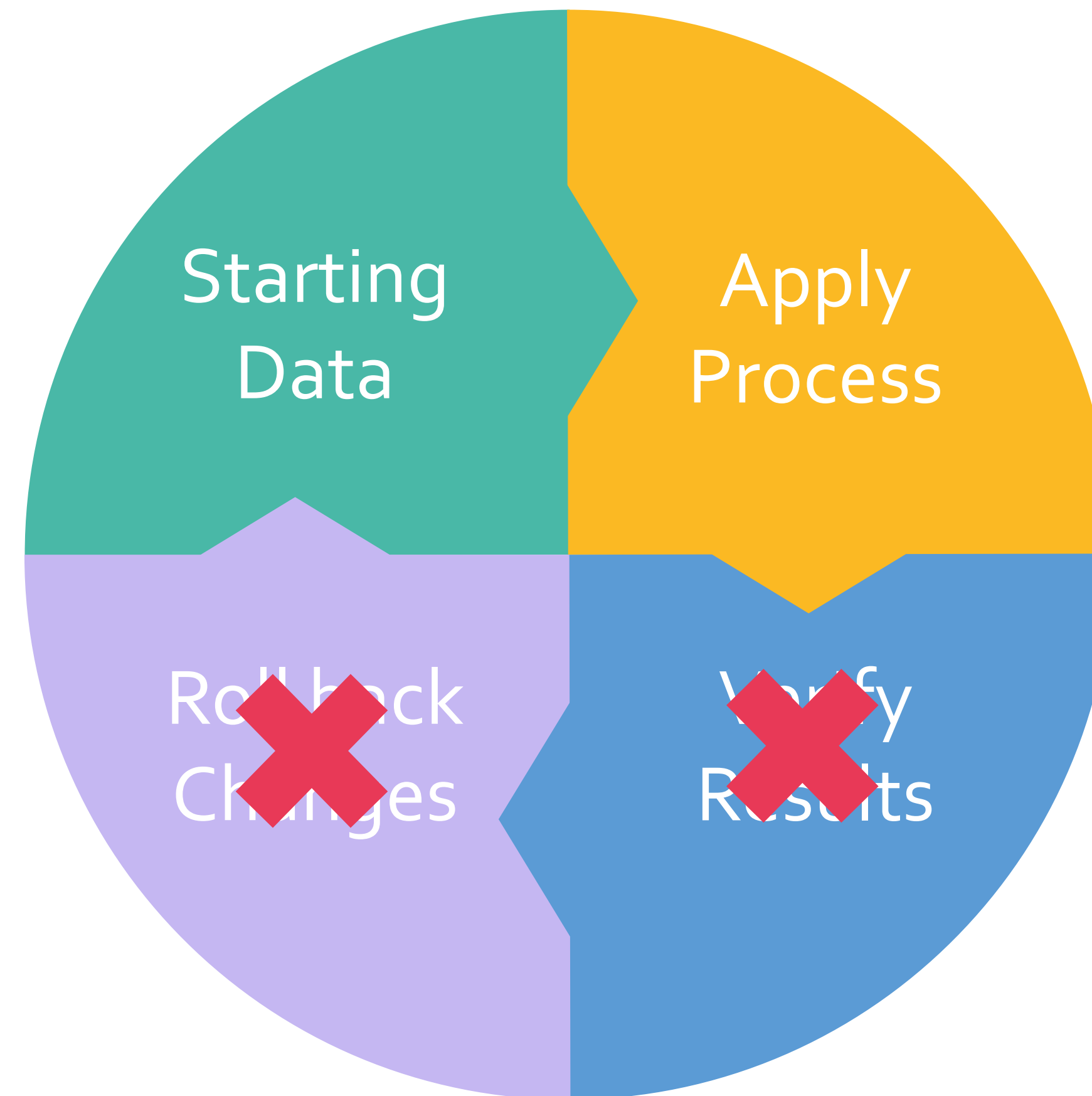
Demonstrate



Business Flow - Sales



Demonstrate



Business Flow – Training



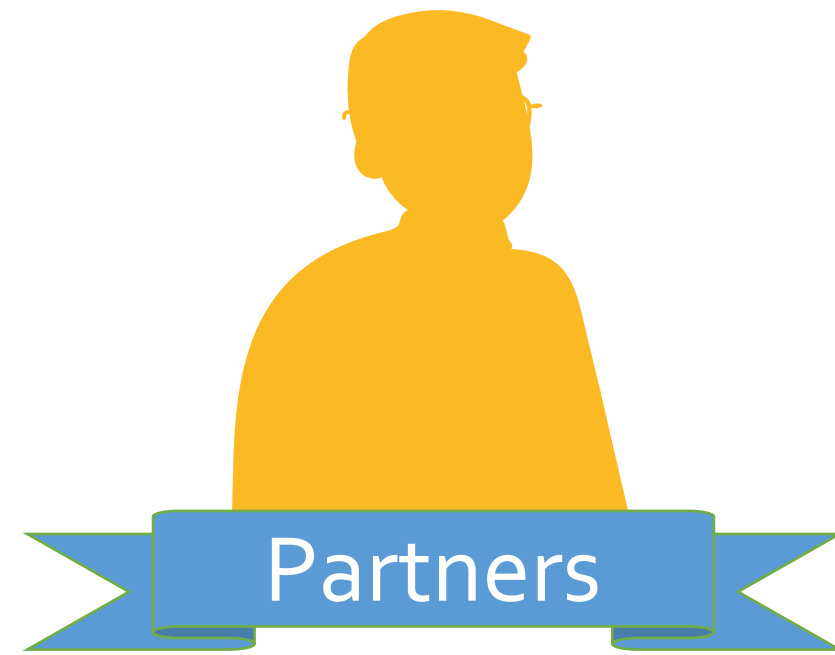
Train

Using testability tools, you can:

- Create demonstration “starters”
- Make repeatable documentation



Business Flow – Sales - Partners



Using testability tools, you can:

- Create demonstration “starters”
- Clear guidance to promote and sell

Demonstrate



Business Flow – Sales - AppSource



Customer trials complex system
processes and features

Make it simple!

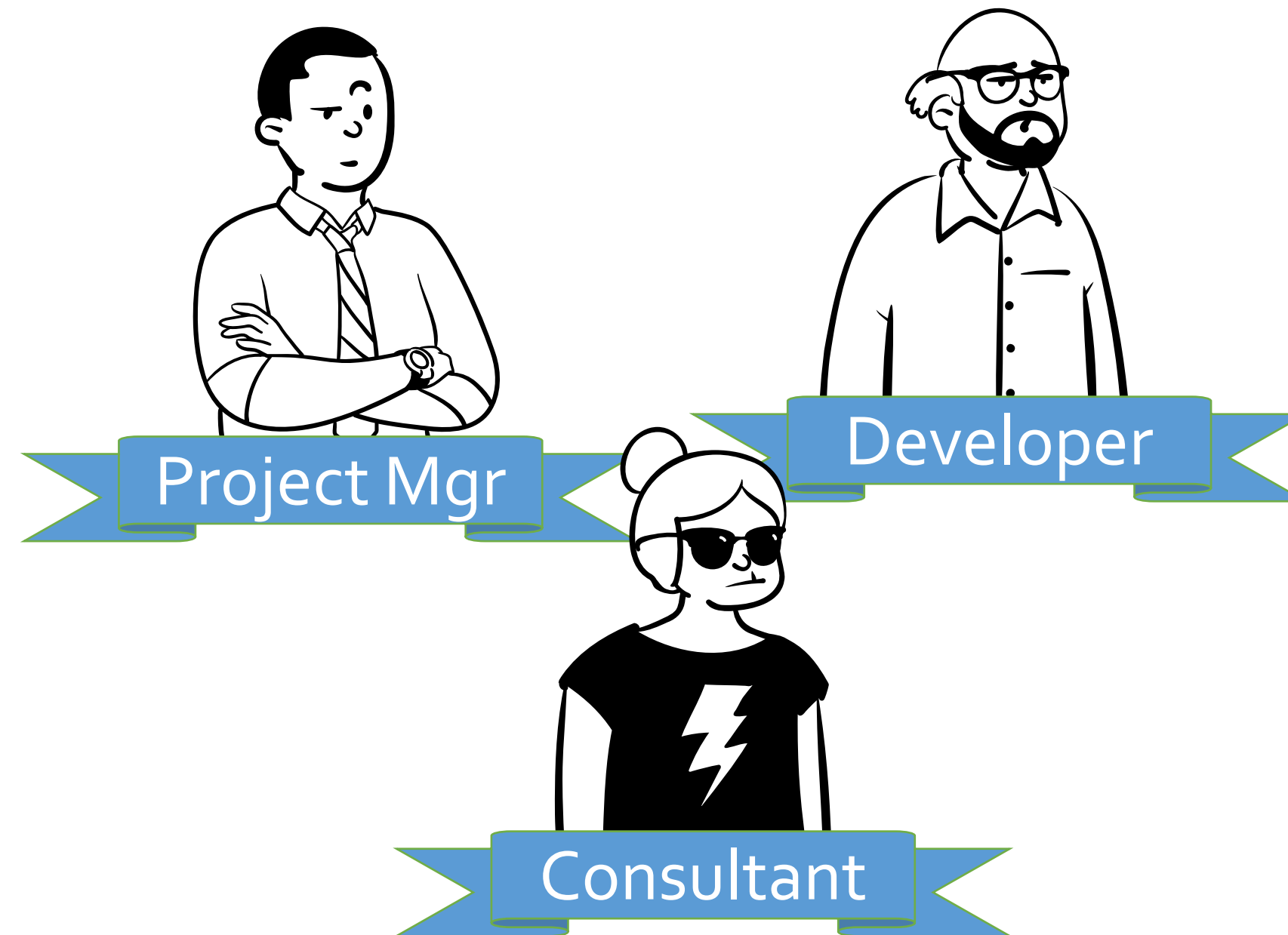
Demonstrate



Business Flow - Implementation



✓ Demonstrate



✗ Analysis

✓ Customize

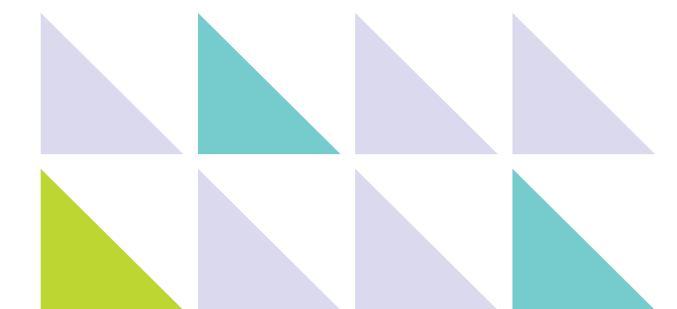
Implement

✓ Training

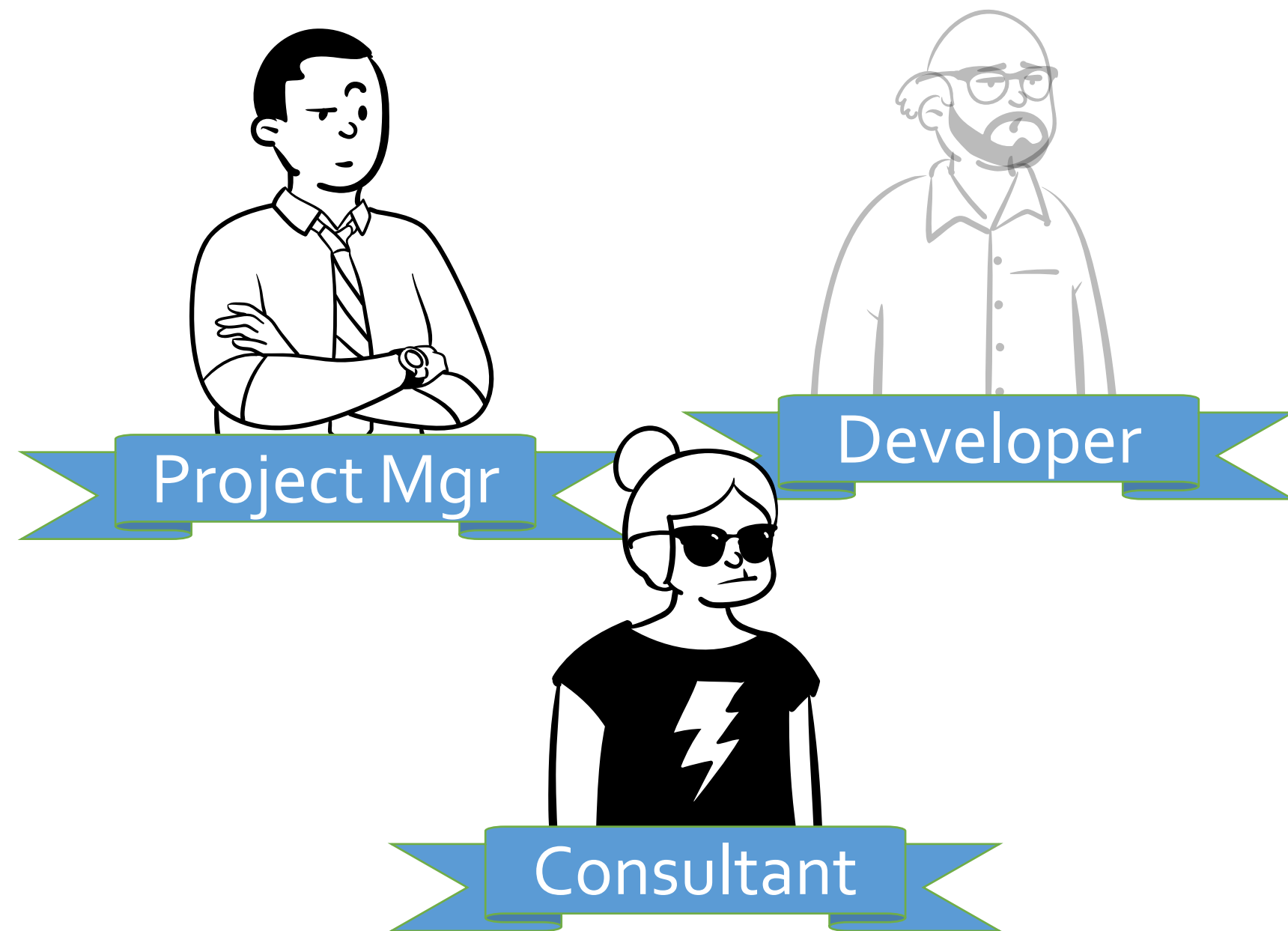


✓ Solve

✓ Prevention



Business Flow - Implementation



Manage dozens of setups

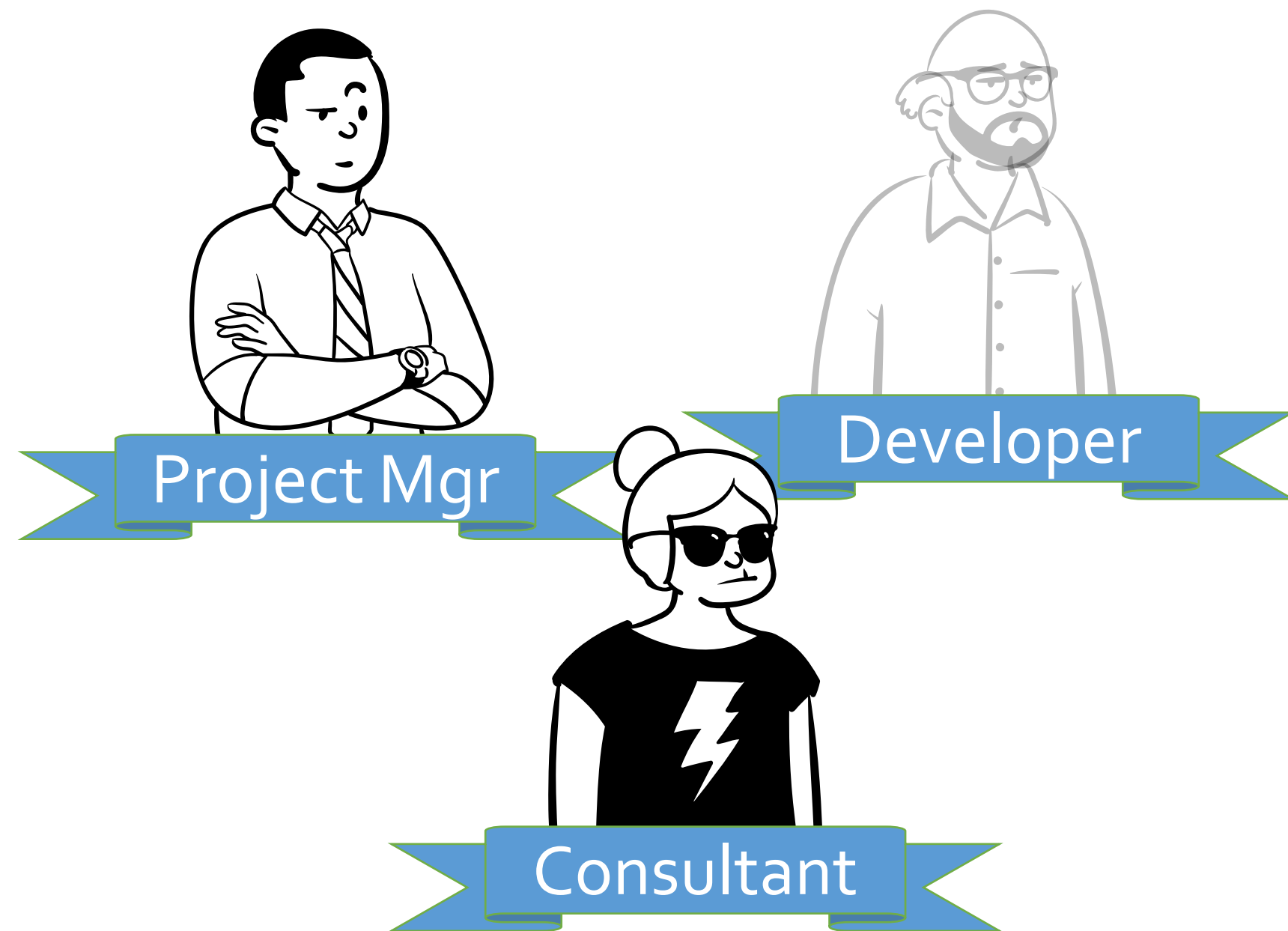
Hundreds/thousands of master data

Dozens/hundreds of operations

Implement



Business Flow - Implementation

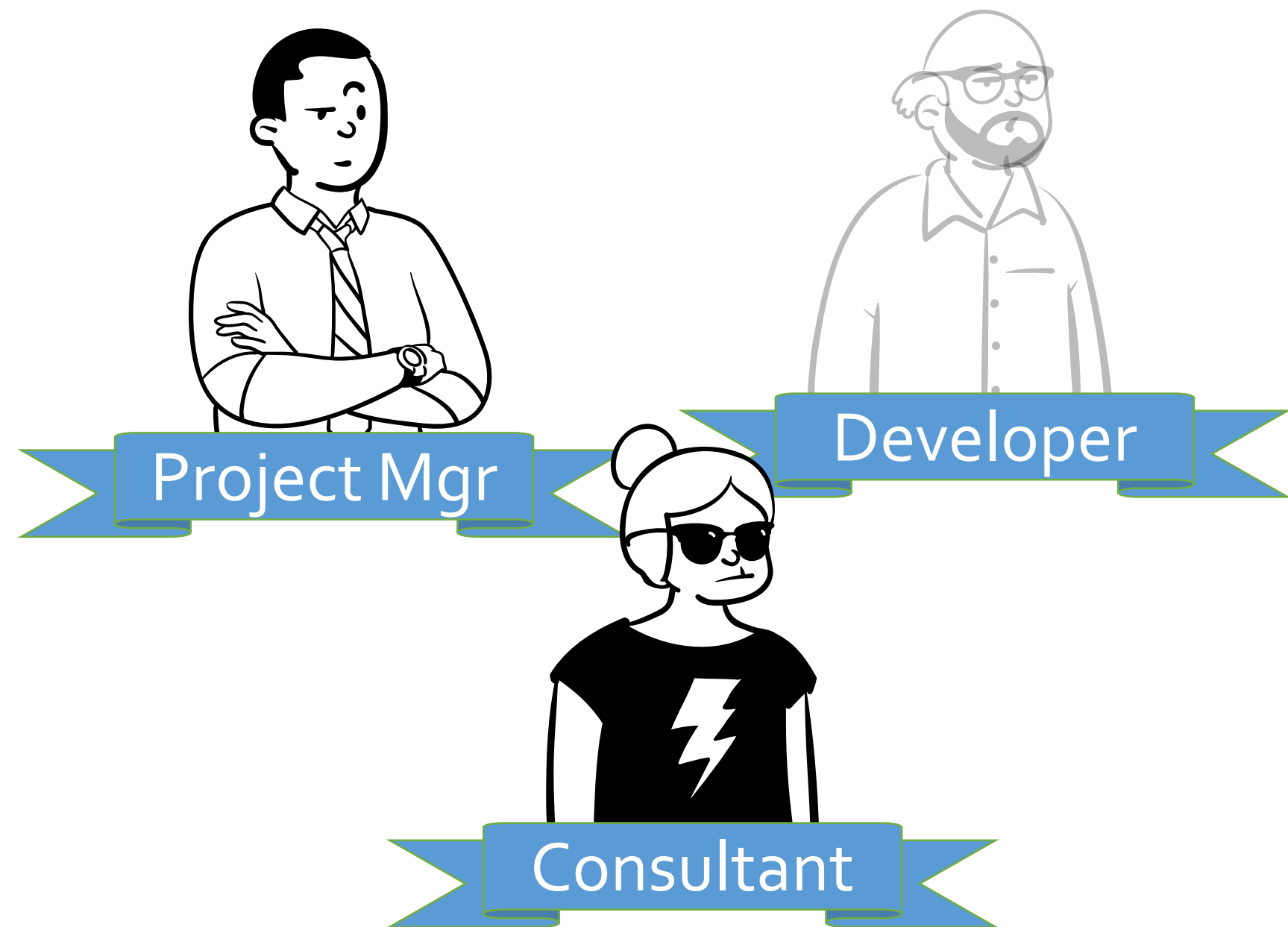


DEMO

Implement



Business Flow - Implementation



Implement

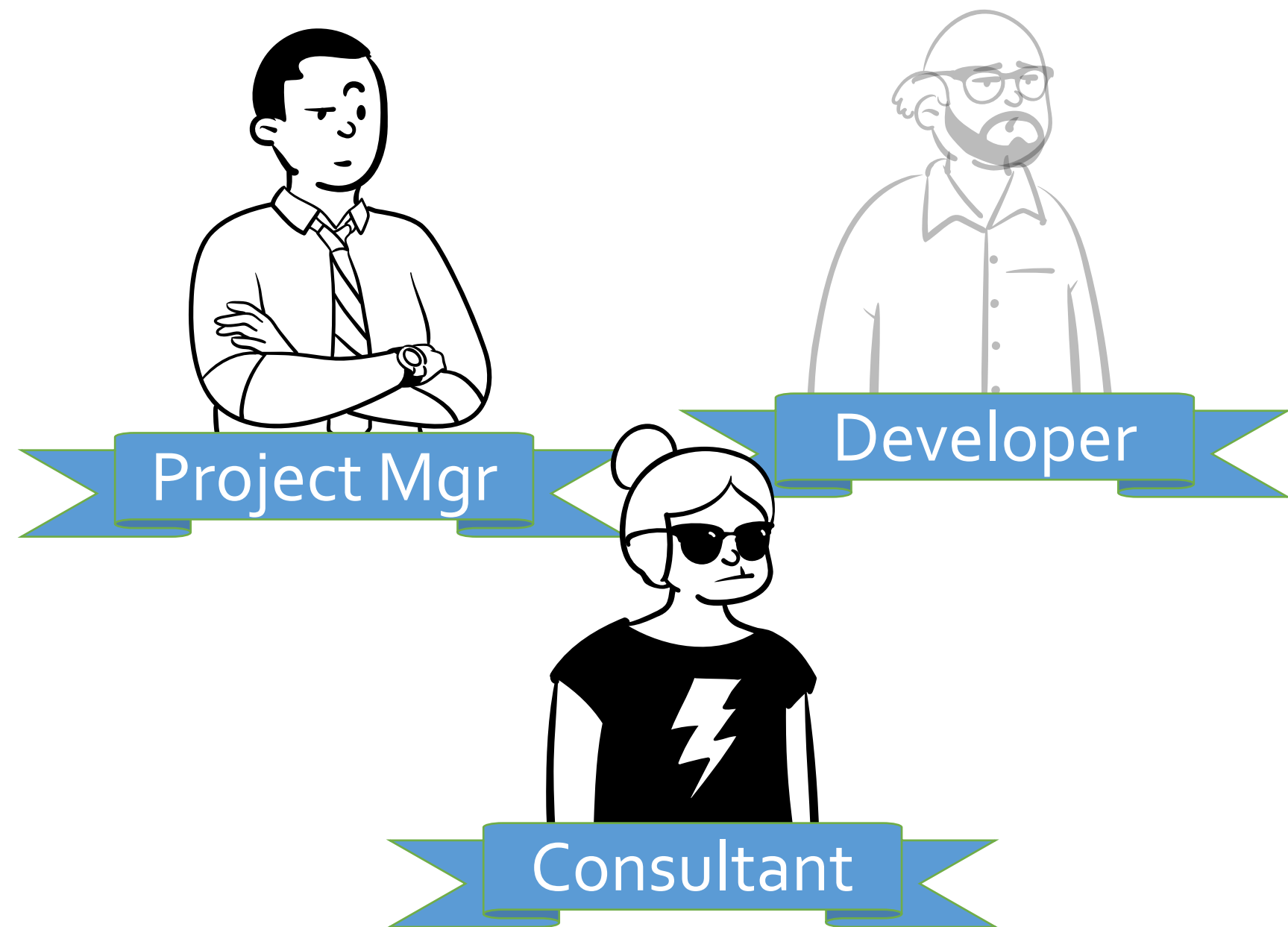
Check the data

Pipelines to re-validate

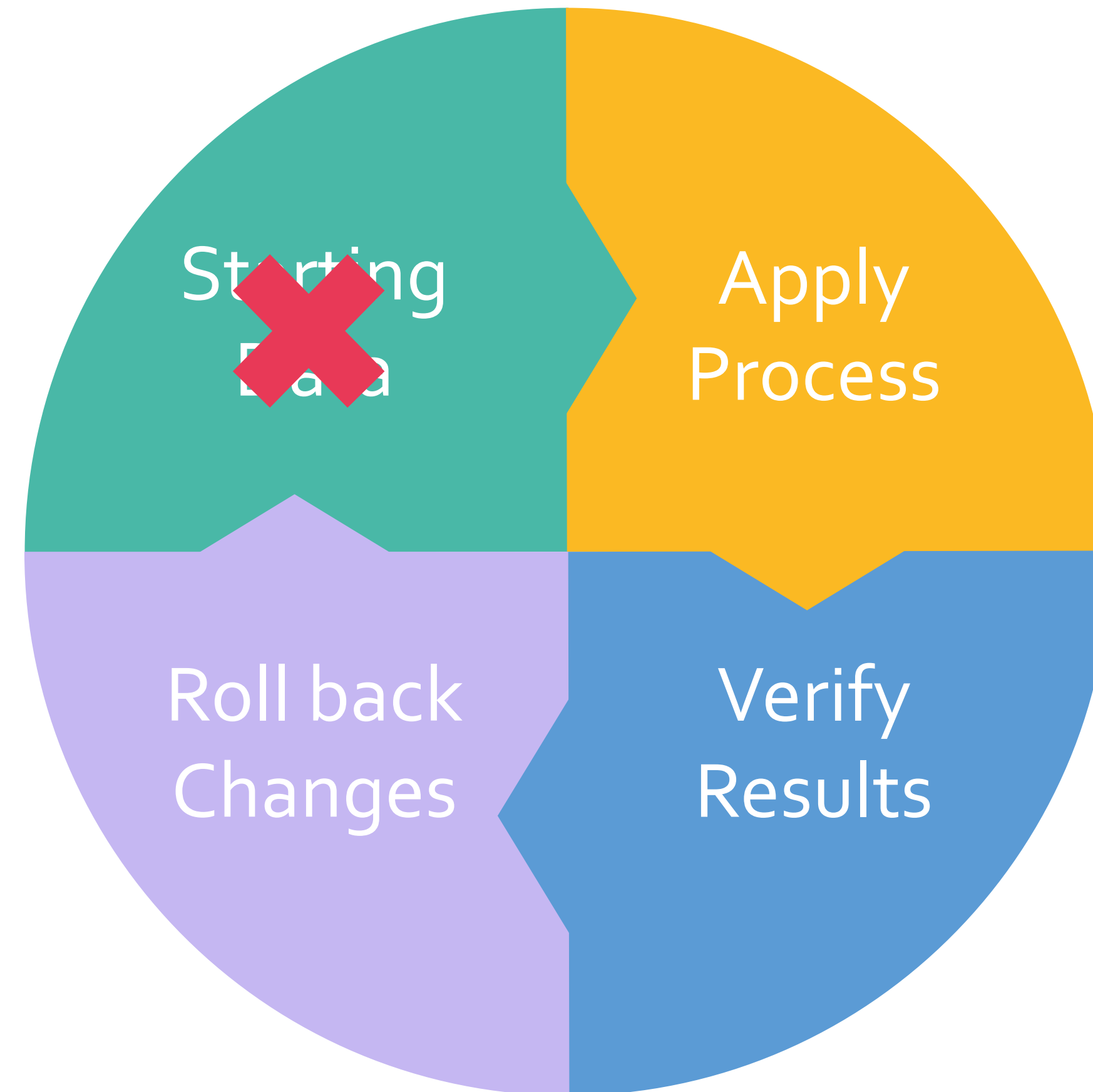
Clear "Progress Bar"



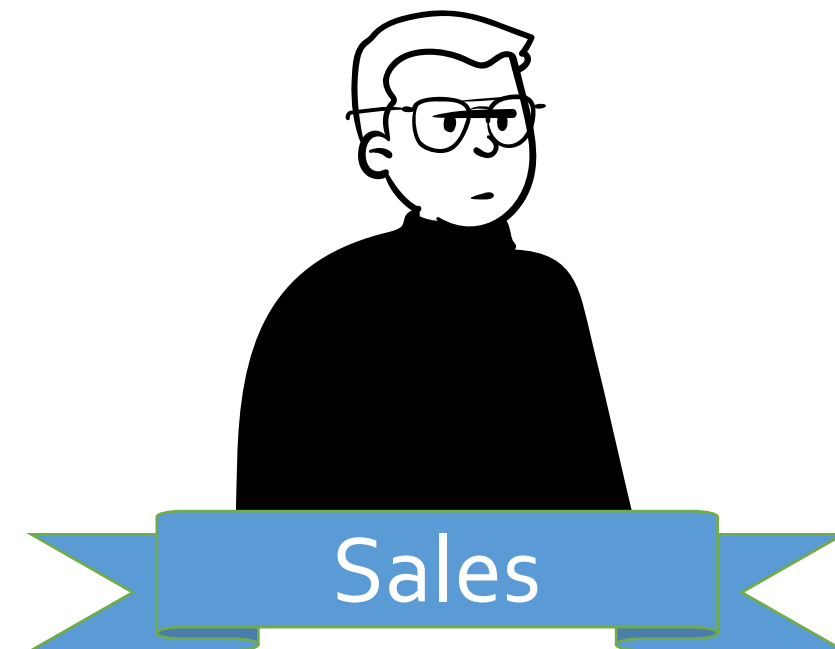
Business Flow - Implementation



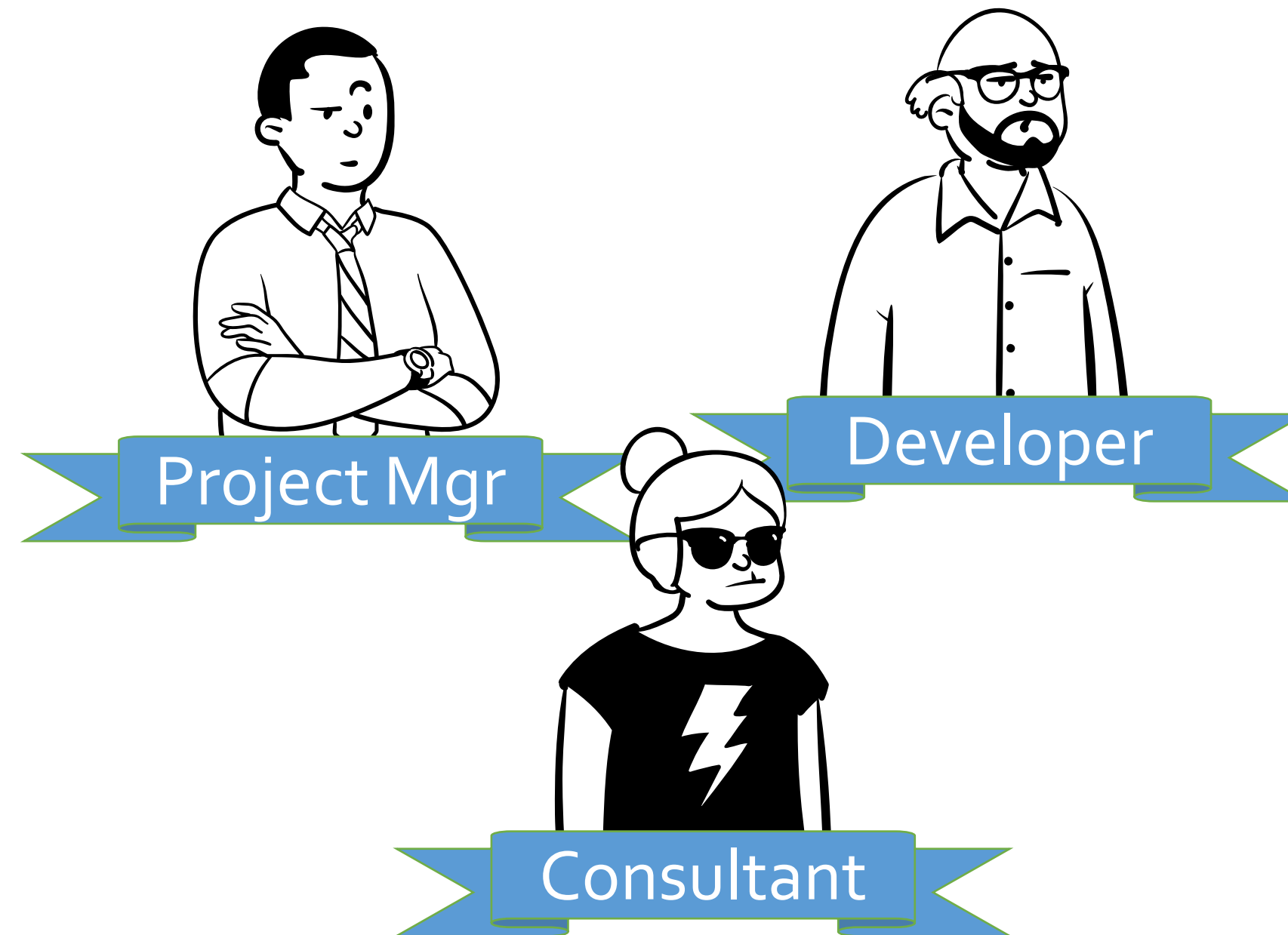
Implement



Business Flow - Implementation



✓ Demonstrate



✗ Analysis

✓ Customize

✓ Implement

✓ Training



✓ Solve

✓ Prevention



Good News / Bad News

Good News!

- More visible value
- Easier to make the case

Bad News!

- You get more to do



As an apology for more work



DEMO



Testability – Framework/Ideas

- Think of ways to use the discrete parts
- Involve teammates and even users
- Creates a culture of automation
- Partners and customers “empowered”



Gift Bag

Available now:

- Sales Demo Helper Example
- Go Live Checklisting Example

<https://github.com/SpareBrainedIdeas>

Coming Soon

- Baseline Generator



Q&A

Any Questions?



Thank
You!

