Writing Code with Product Mindset

Vidya Vrat Agarwal

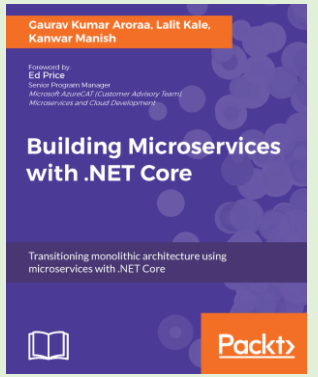
Principal Architect T-Mobile

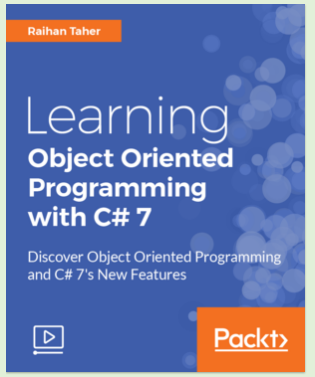
www.MyPassionFor.Net | **@dotNetAuthor**

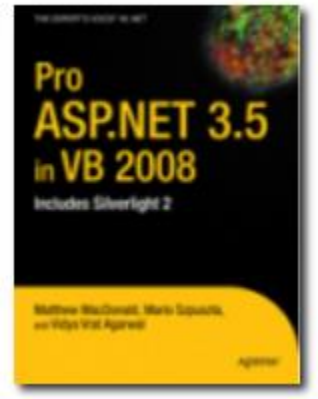
https://www.linkedin.com/in/vidyavrat/

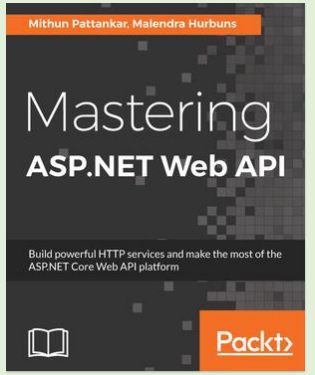
About Me

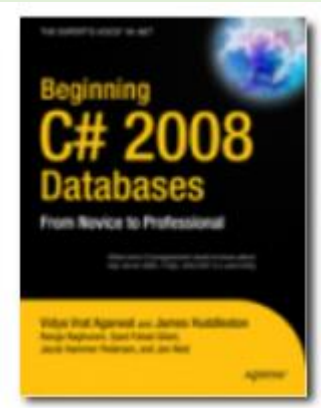
- 20+ years of industry experience
- Working as Principal Architect with T-Mobile
- Microsoft MVP
- C# Corner MVP
- TOGAF Certified Architect
- Certified Scrum Master (CSM)
- Microsoft Certified (MCT, MCSD / MCAD .NET, MCTS etc.)
- Published Author (5) and Technical Reviewer (over a dozen)











Microsoft MVP Most Valuable Professional

C# Corner MVP

THE Open GROUP TOGAF® 9 Certified

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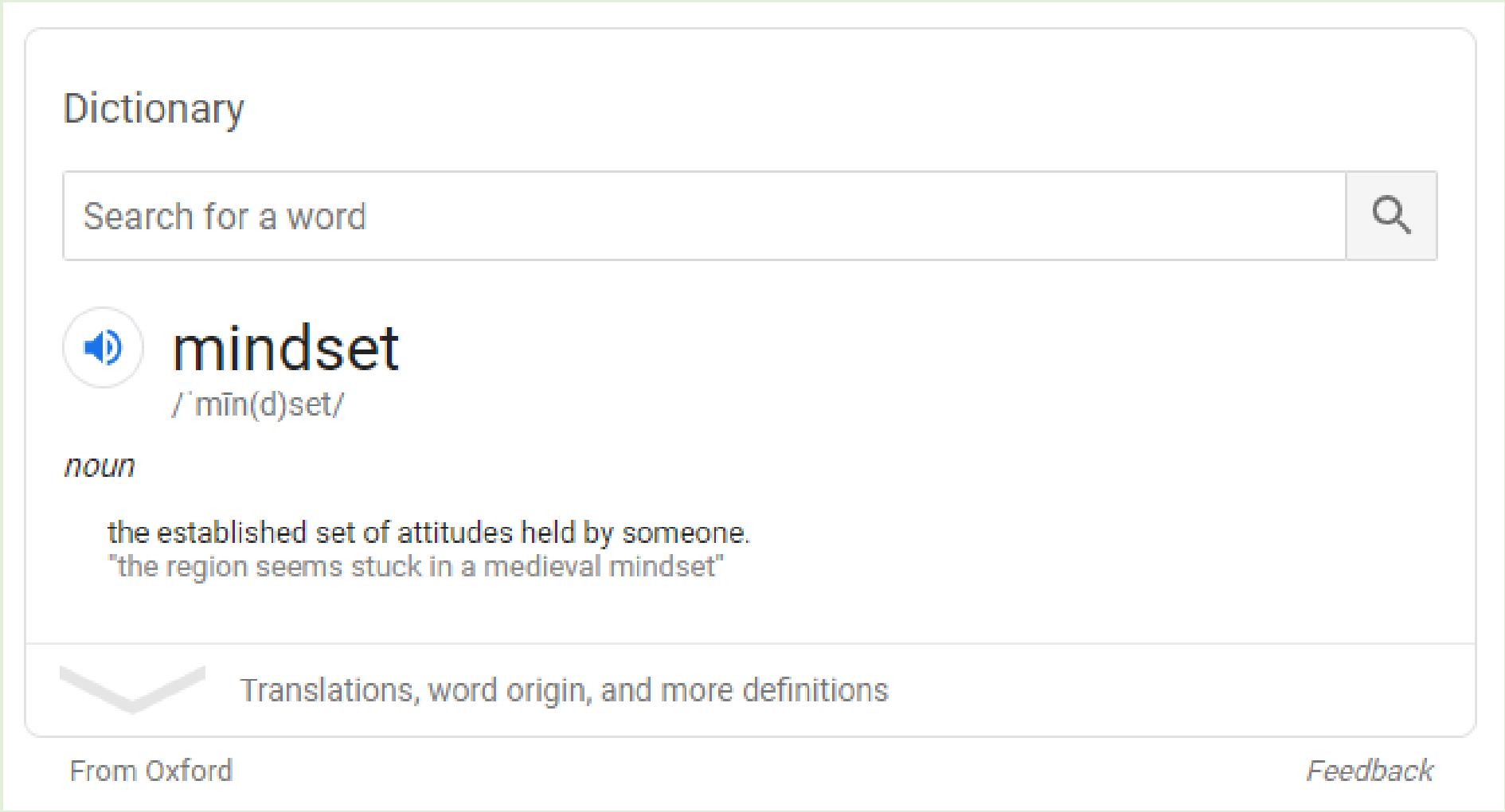
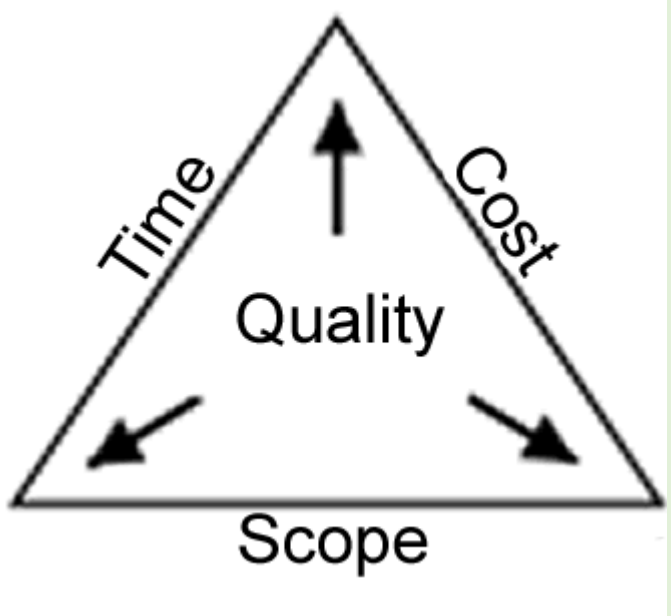
What is a Mindset?



Tradeoff Triangle



- Work can be completed faster by increasing budget or cutting scope.
- Similarly, increasing scope may require equivalent increases in budget and schedule.
- Cutting budget without adjusting schedule or scope will lead to lower quality.

Project Vs. Product Mindset

	Project Mindset	VS	Product Mindset
Perspective	Inside-Out		Outside-In
Goals	Completion		Consumption
Metrics	Completion, Cost, Acceptance		Consumption, Revenue, Customer Satisfaction
Requirements	Exhaustive		Iterative
Teams	Intermittent		Continuous

Product Mindset

- Deliver Value, Not Features
- Good is the Enemy of Great
- Not limited to/by acceptance criteria
- Self driven individuals and team(s)
- Less-None micro-management.
- Developers are more of a craftsman
- Invest in code quality and dev hygiene
- Invest in good design and architecture
- Solve customer pain points
- Ownership of Code and Systems
- We built it ,we own it

API Product Mindset

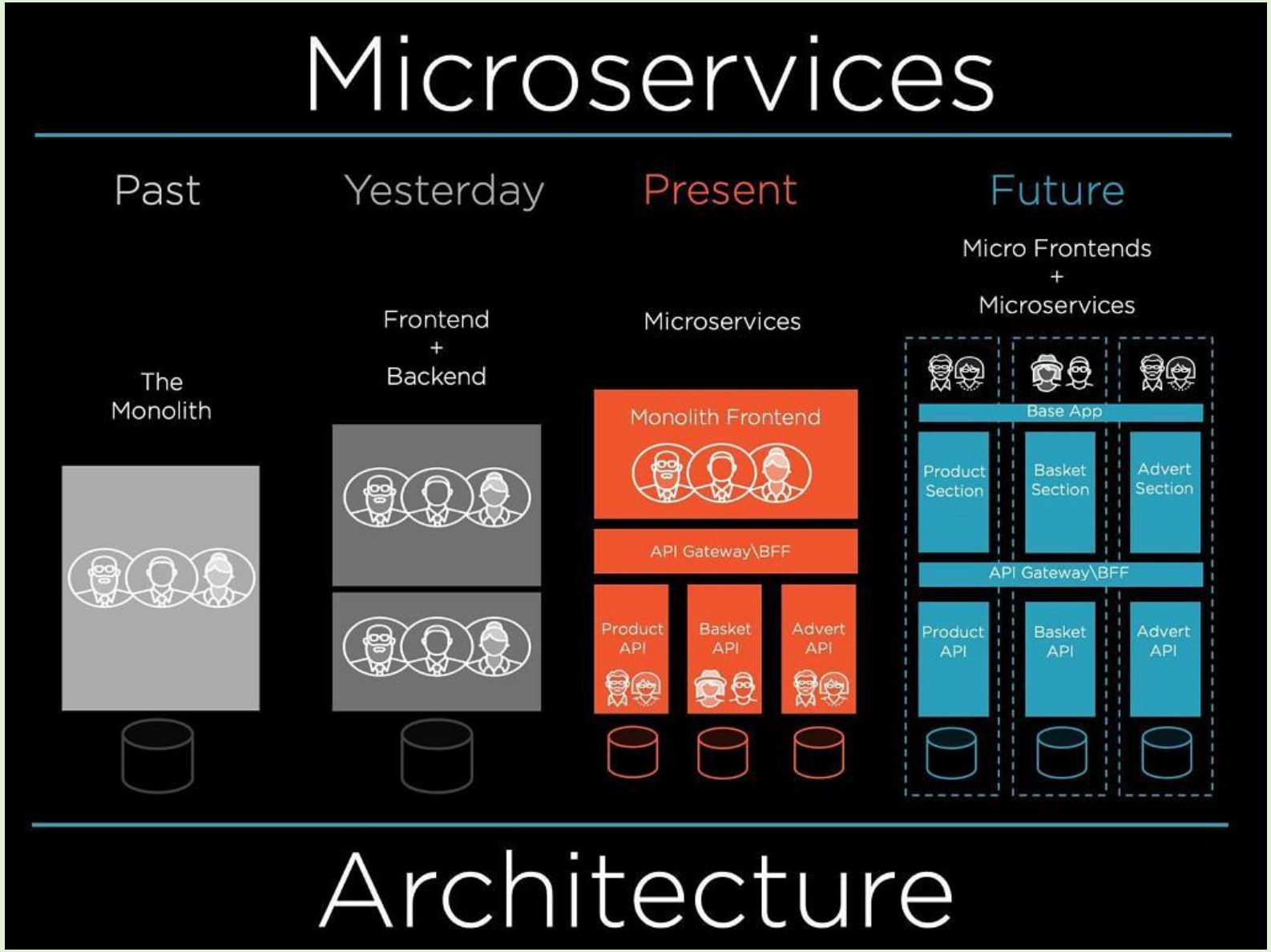
- An API product mindset means designing and delivering APIs for long-term value at scale, and evolving them over time to meet changing customer needs.
- This is in contrast to approaching APIs as one-time projects, or several discrete projects, where they deliver more limited value in terms of extensibility, longevity, and reach.
- How an API is designed can dictate how easily it can be consumed by developers and thus how easily it can be leveraged in new ways in the future. If the API is designed only to build a connection within the scope of a project, its creator might neglect documentation, consistent design standards, considerations for versioning and security, and other factors important for future use and extensibility.

Tools/Processes Product Teams use

- Agile Mindset and DevOps culture
- Defensive coding
- Unit Test/Automation

- Rally, JIRA, AzureDevOps
- Confluence, Splunk, bitbucket
- API Gateway
- Splunk
- SonarQube
- Cloud (hybrid cloud)
- Metrics, dashboards

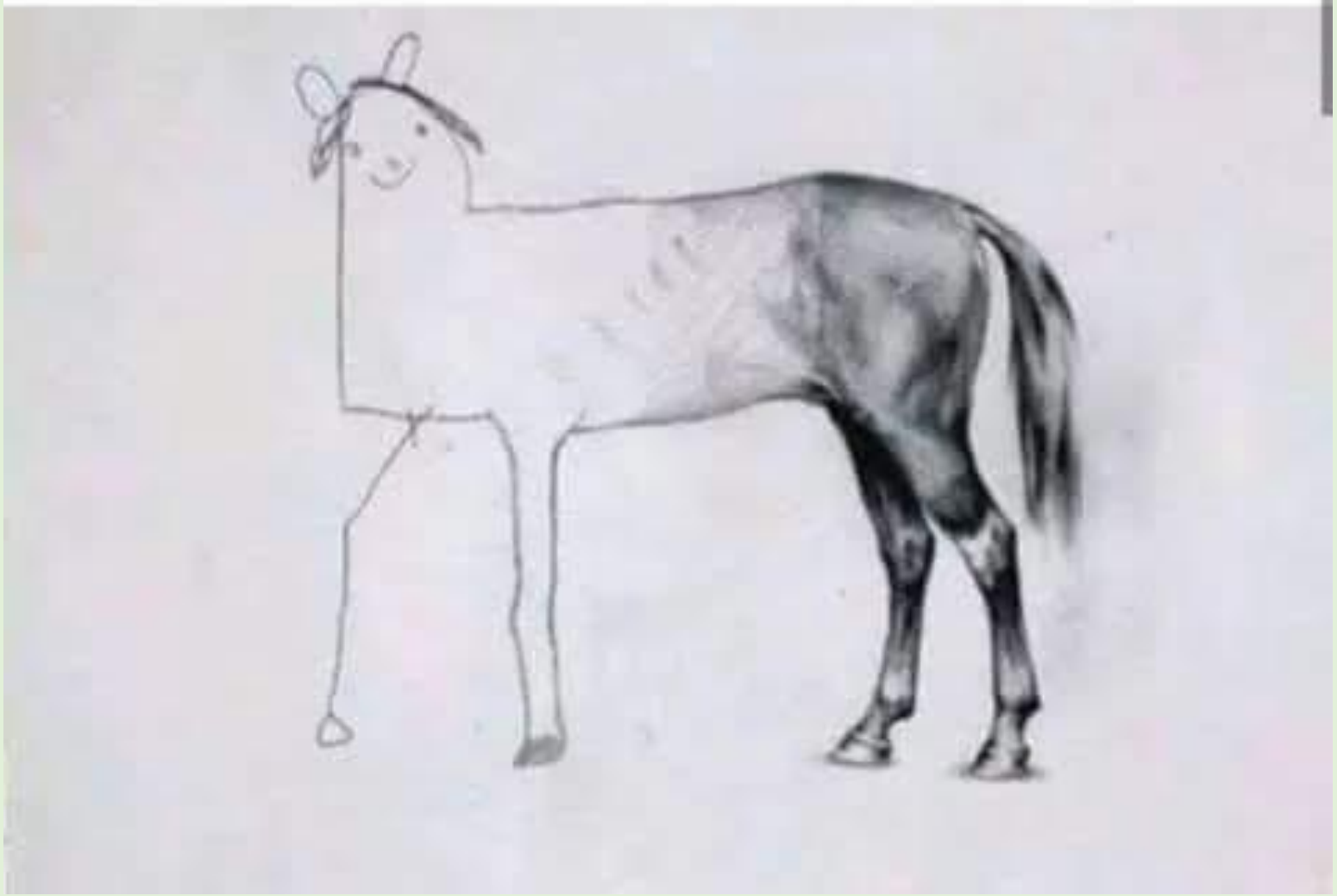
Evolutionary Architecture Roadmap

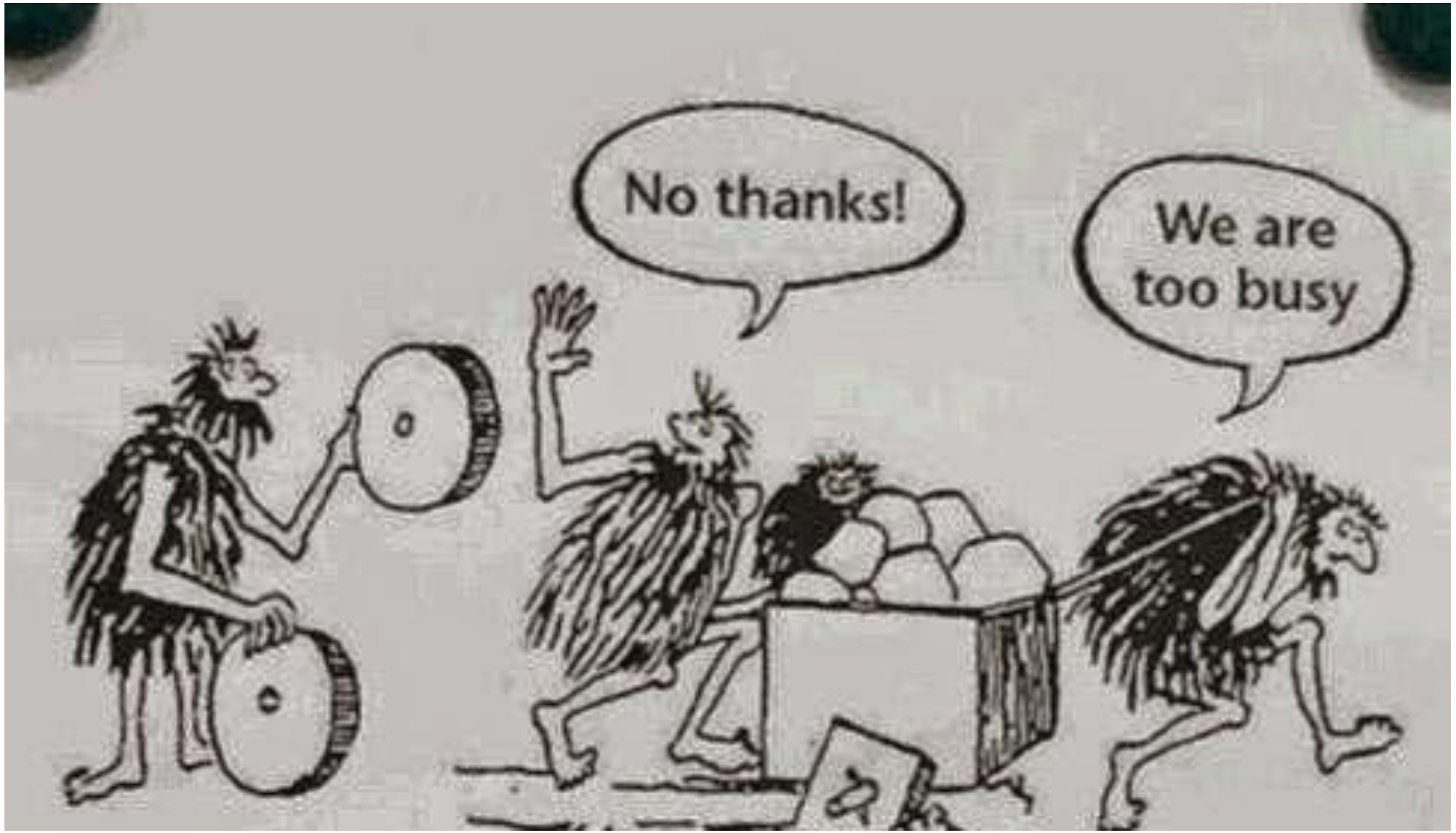


Behavior to avoid for Product Mindset


Not my job syndrome

When a deadline comes too close.. This is how a project is completed.




No thanks!
We are too busy

Who should

1- Validate data, UI, API, or backend?

2- Show/serve data in form of pages instead of a scroll?

3- Enable retrieval of recently read data, even quicker?

4- Apply business logic?

Thank You

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