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Project Scenario

Welcome to work. Here’s what you need to know.

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QUARTERLY REPORT
2021.
J F M A

ORM

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https://stackoverflow.com › questions › 1279613 › what-is-an-orm-how-does-it-work-a...

What is an ORM, how does it work, and how should I use one?

Introduction. Object-Relational Mapping (**ORM**) is a technique that lets you query and manipulate data from a database using an object-oriented paradigm. When talking about **ORM**, most people are referring to a library that implements the Object-Relational Mapping technique, hence the phrase "an **ORM**".. An **ORM** library is a completely ordinary library written in your language of choice that ...

https://en.wikipedia.org › wiki › Object–relational_mapping

Object-relational mapping - Wikipedia

Object-relational mapping (**ORM**, **O/RM**, and O/R mapping tool) in computer science is a programming technique for converting data between a relational database and the heap of an object-oriented programming language. This creates, in effect, a virtual object database that can be used from within the programming language. There are both free and commercial packages available that perform object ...

https://www.ictshore.com › software-design › what-is-orm

What is ORM? Object-Relational Mapping Explained

ORM stands for Object-Relational Mapping, it is a programming technique that abstracts your code from the database behind it. In plain English, if you are using **ORM** and a MySQL database, you could switch to PostgreSQL at any time without changing your code. At all. In **ORM**, your code defines your database. Note: **ORM** goes together with Database ...

https://ormfertility.com

ORM Fertility | IVF and Fertility Clinic

The strength of **ORM's** team, from the doctors down to the support staff, was obvious after

What is an ORM, how does it work, and how should I use one

http://stackoverflow.com/questions/1279613/ddg#12...

Introduction

Object-Relational Mapping (**ORM**) **is** a technique that lets you query and manipulate data from a database using an object-oriented paradigm. When talking about **ORM**, most people are referring to a *library* that implements the Object-Relational Mapping technique, hence the phrase "**an ORM**".

An **ORM** library is a completely ordinary library written in your language of choice that encapsulates the code needed to manipulate the data, so you don't use SQL

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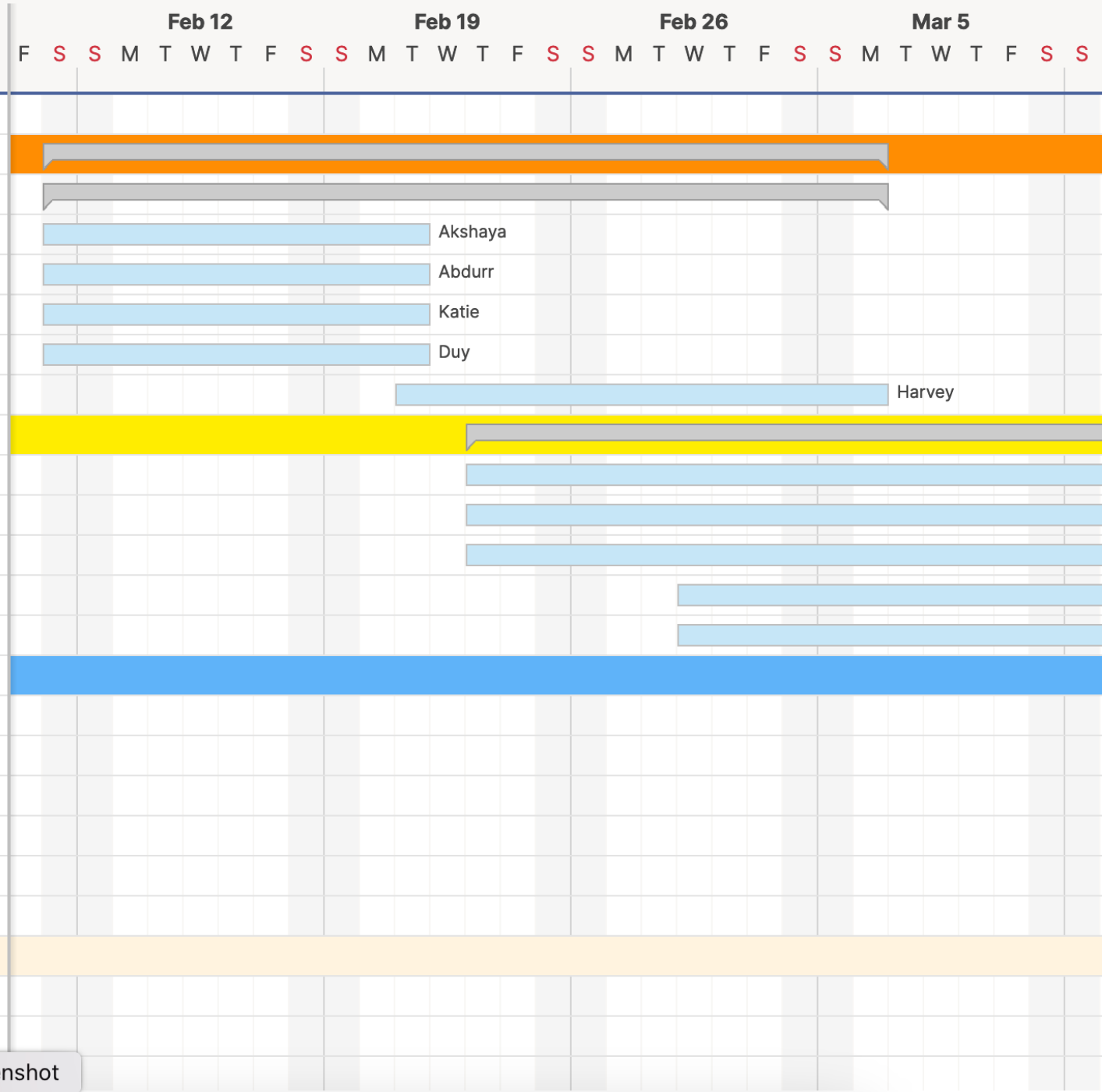
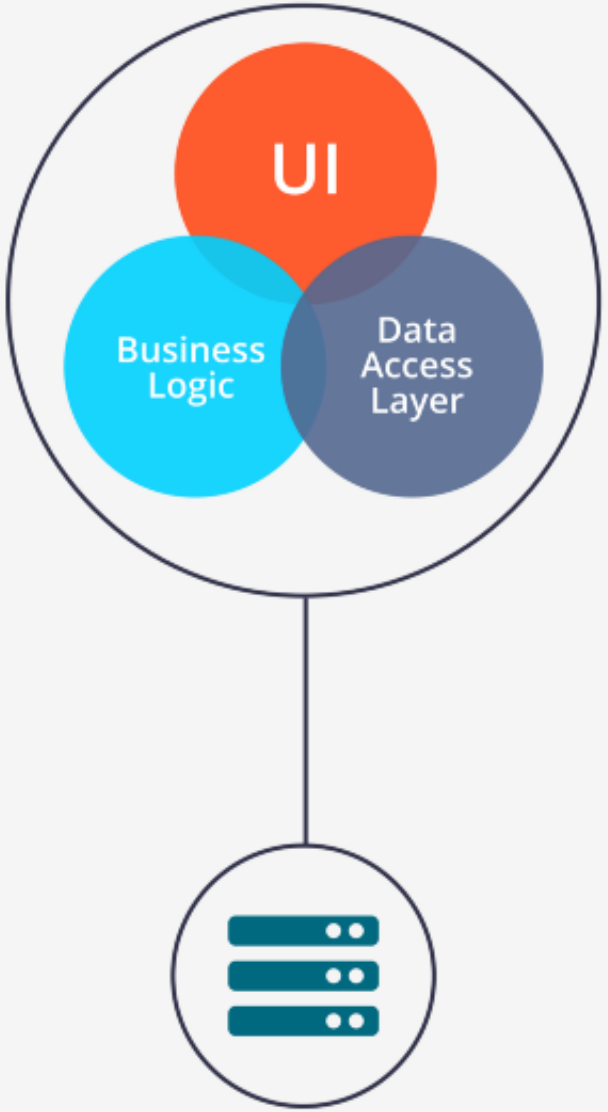
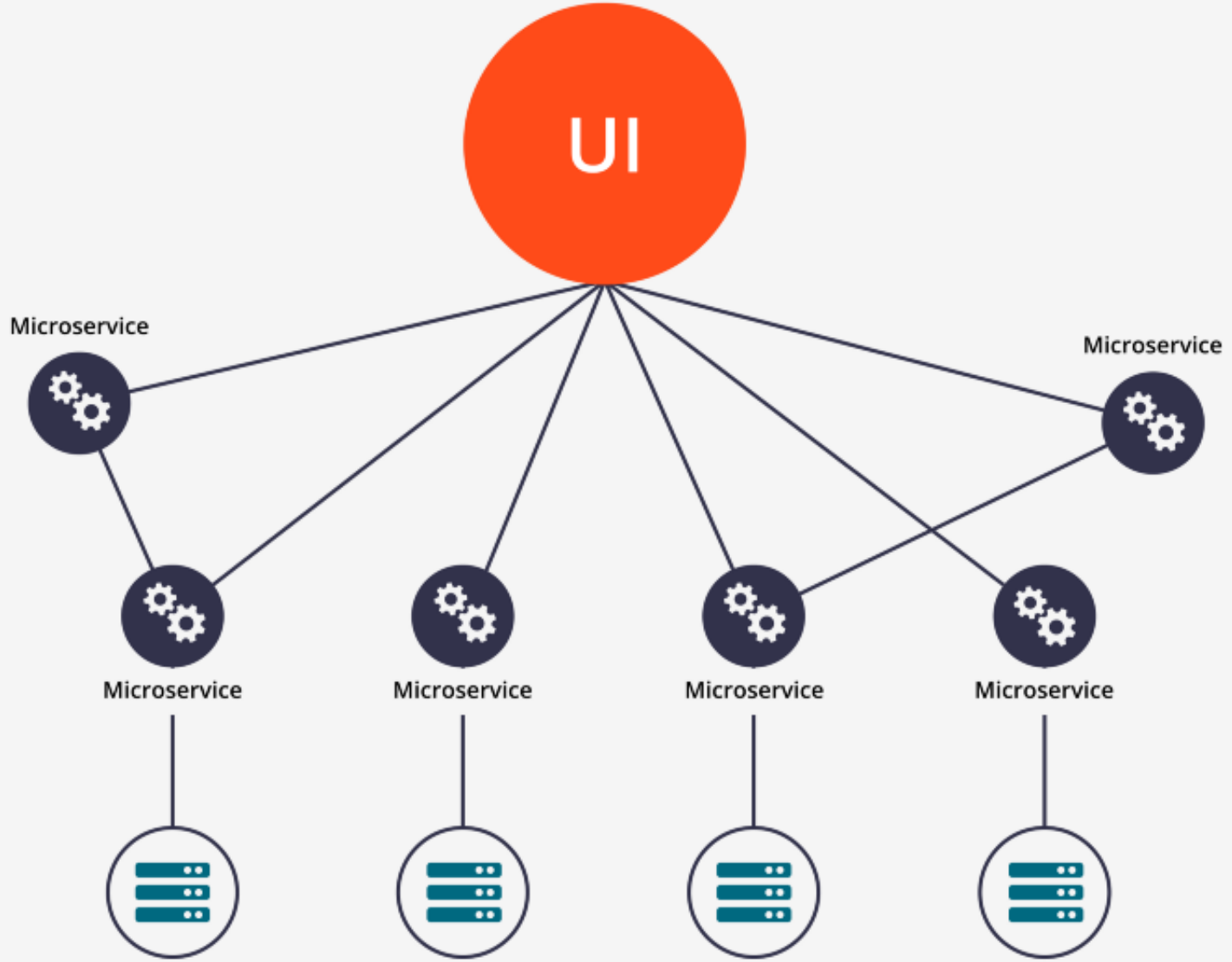
Name	Dur...	Start	Finish	% Complete	Status
					Not Started
rint 1	17d	02/11/23	03/06/23		Not Started
AWS config	17d	02/11/23	03/06/23		Not Started
cloudwatch dashboard	8d	02/11/23	02/21/23		Complete
Creating splunk dashboard for subr	8d	02/11/23	02/21/23		Complete
AWS Splunk ADD on Dashboards	8d	02/11/23	02/21/23		Complete
Open NACL for prod	8d	02/11/23	02/21/23		Complete
Update the SG deletion lambda fun	10d	02/21/23	03/06/23		Complete
rint 2	17d	02/23/23	03/17/23		Not Started
Migration Tracking: Visualize All Instar	13d	02/23/23	03/13/23		Not Started
Migration Tracking: Inventory Instance	13d	02/23/23	03/13/23		Not Started
Implement RAM approach to spray lan	13d	02/23/23	03/13/23		Not Started
Update scanner as per new approach	13d	03/01/23	03/17/23		Not Started
splunk outposts inventory dashboard	13d	03/01/23	03/17/23		Not Started
rint 3	15d	04/01/23	04/20/23	4%	Not Started
Create F5 VIP with Outposts ec2 insta	8d	04/01/23	04/11/23		Not Started
Analyze PROD on-prem firewalls	8d	04/01/23	04/11/23		Not Started
Adjust NACLS In Shared Prod	8d	04/01/23	04/11/23		Not Started
create new VPC	15d	04/01/23	04/20/23		Not Started
private VIF for service channel	15d	04/01/23	04/20/23	19%	Not Started
Configure PROD LTM	15d	04/01/23	04/20/23		Not Started
rint 4	8d	04/20/23	05/01/23	4%	Not Started
add in XOI ranges to VLANs in prod in	8d	04/20/23	05/01/23		Not Started
check Apigee ports in default sg	8d	04/20/23	05/01/23		Not Started
Test PROD LTM	8d	04/20/23	05/01/23		Not



Screenshot

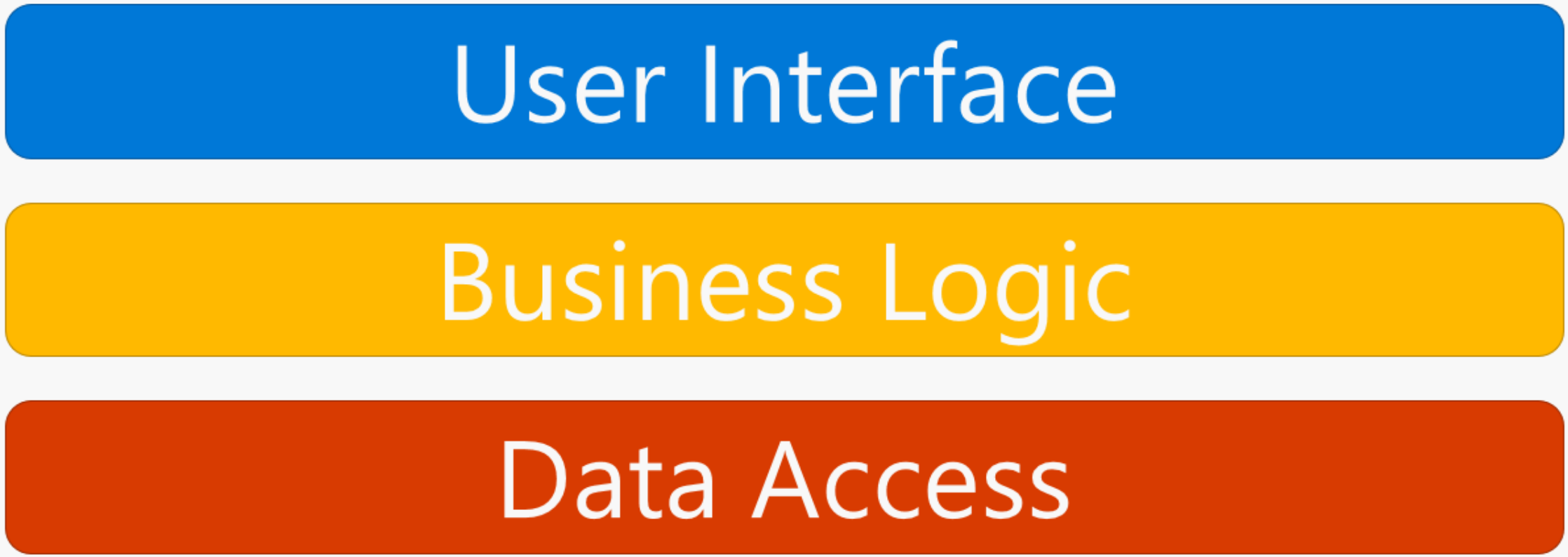


Monolithic Architecture



Microservice Architecture

Application Layers



Benefits of Microservices

Agility

Microservices foster an organization of small, independent teams that take ownership of their services. Teams act within a small and understood context, and are empowered to work more independently and more quickly. This shortens development cycle times. You benefit significantly from the aggregate throughput of the organization.

Flexible Scaling

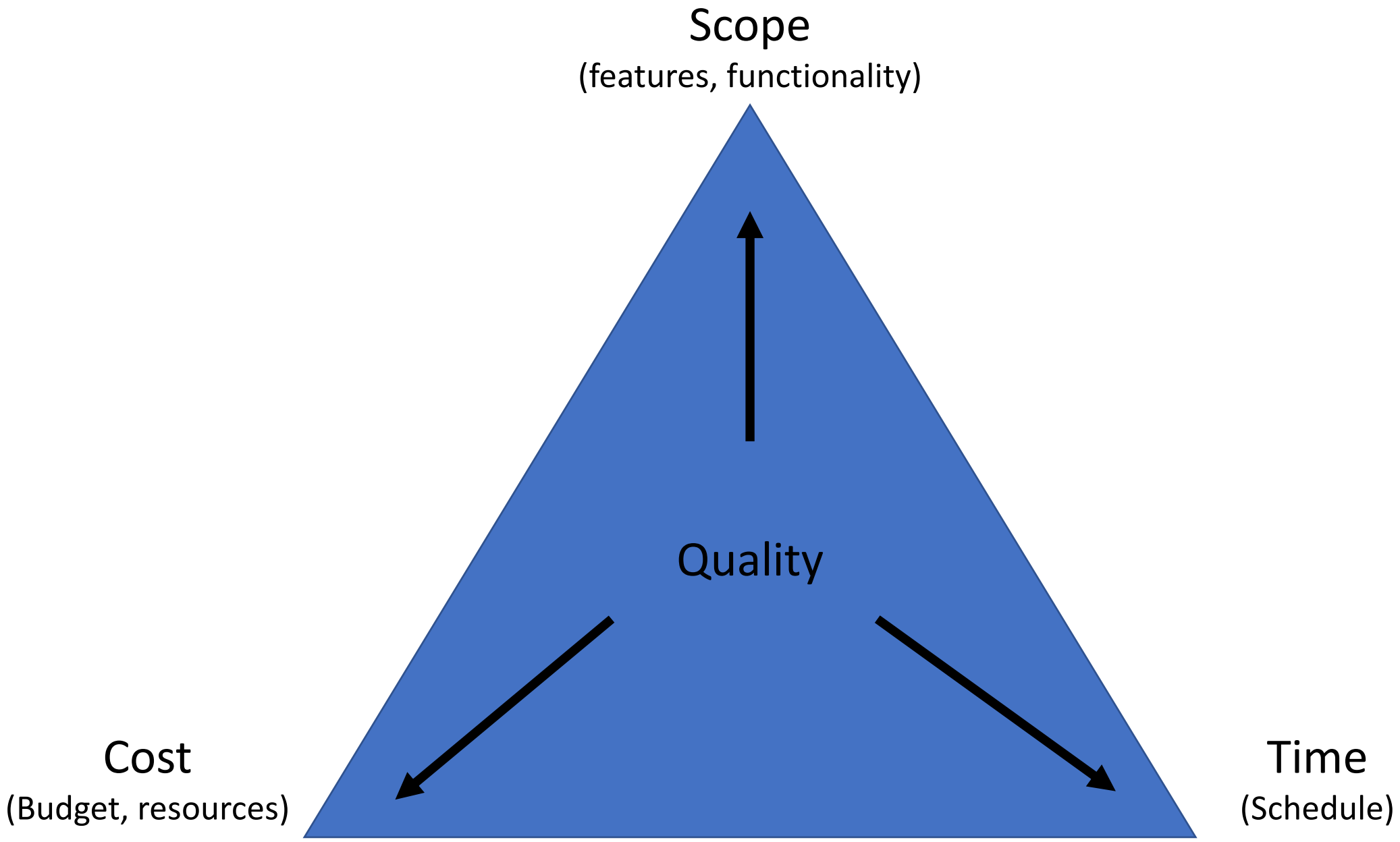
Microservices allow each service to be independently scaled to meet demand for the application feature it supports. This enables te right-size infrastructure needs, accurately measure the cost of a feature, and maintain availability if a service experiences a spike in demand.

Easy Deployment

Microservices enable continuous integration and continuous delivery, making it easy to try out new ideas and to roll back if somethi doesn't work. The low cost of failure enables experimentation, makes it easier to update code, and accelerates time-to-market for n features.

Technological Freedom

Microservices architectures don't follow a "one size fits all" approach. Teams have the freedom to choose the best tool to solve their


Scope
(features, functionality)
Quality
Cost
(Budget, resources)
Time
(Schedule)

Notes to Self

- **ephemeral-first** micro-blogging platform
- fractional CTO
- Partly developed app – keep or rebuild?
- How to monetize the platform
- frontend = Javascript using React
- backend application = Python using Flask
- API only
- Be careful of budget
- ~~Monolith~~
- User content (upload?)

- Users - College students, Younger students, professionals
  - User validation?
  - Age limit?
- AWS
  - What services? Containers?
  - Set up budget monitoring
- User engagement
- technical report due for investors!
  - Architecture
  - Budget
  - Ongoing cost estimate

Recap

Why User Personas?

Personas

- Tony = continuity and context
- Web dev group = current state
- Investors = cost and timing
- CTO = technical requirements and future state

Lessons Learned

- Not all context is relevant
- No true ”greenfield”
- Manage time and effort
- Trade offs for all projects
- Learn, iterate, and show back

Architecture