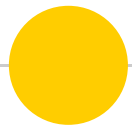


Application Programming Interface Project





What is an API?



How does an API work?

1

Types of APIs

Web APIs

Logical APIs

Program APIs

2

Real Life Examples

1. Weather Reports
2. Login within Standardized platform
3. Payment Features
4. Travel Booking



Project Scope

- Project Needs
- Objectives and Goals
- Deliverables
- Inclusions and Exclusions / out of scope
- Constraints
- Necessary Changes

3

Functional Requirements and its examples

- Any requirement which specifies what the system should do.
- Examples:
 1. Mobile Applications
 2. Web page
 3. Financial Transactions
 4. Self-serve portal
 5. Business Connections

4

Non-Functional Requirements

- Performance
- Reliability
- Scalability
- Security
- Usability



Example of API Implementation Requirements

API Requirement	SOAP	REST
User Authentication	WS-Security Supporting Token	OAuth
Data Privacy	WS-Security Message Encryption	HTTPS
App authentication	WS-Security Message Signature	HMAC Header Signature or OAuth

5

Purpose of Business Driver

1. What
2. How
3. Technology
4. For whom

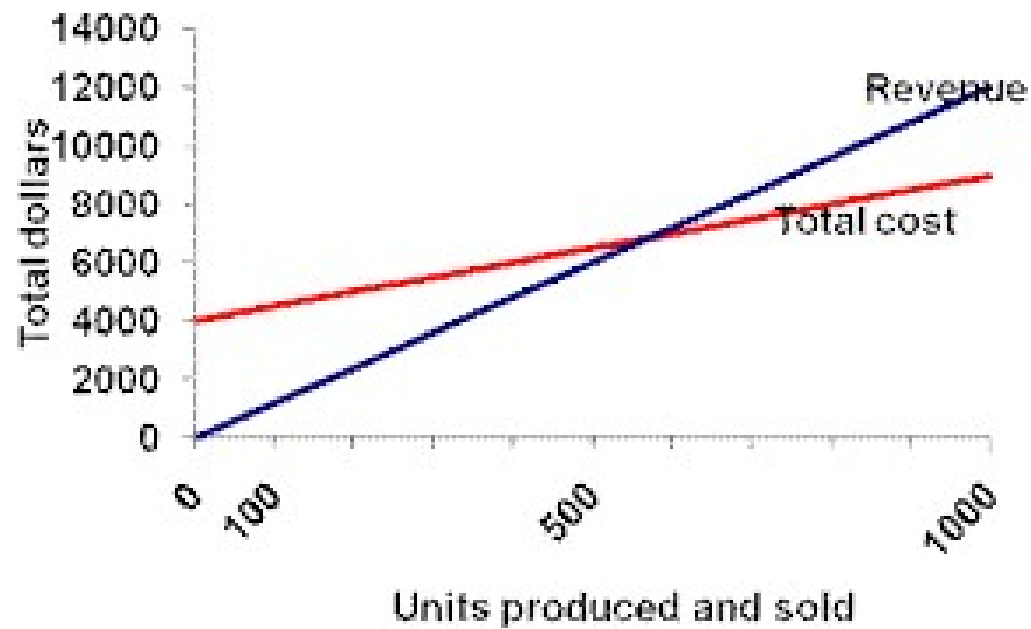


Customer Satisfaction



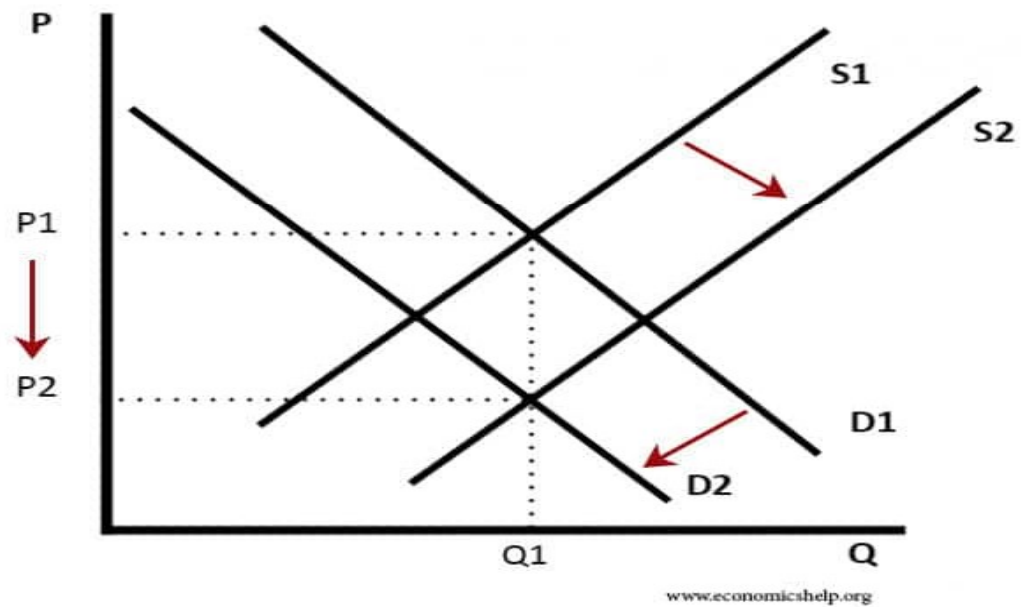


Cost & Revenue





Demand & Supply



6

AWS Cloud Business Driver

- Cost Saving
- Staff Productivity
- Operational Resilience
- Business Agility

7

Benefits & Costs

- Automation
- Application
- Adaptation
- Improves Marketing
- Enhances Customer Experience
- Improves Connectivity and collaboration
- Saves costs



Schedule & Timeline

WEEK	DATES	TASKS
1	20 June –26 June	Presenting Business Requirement Document (BRD)
2	27 June – 03 July	Preparing Solution Document Setting up hardware and software environment
3	4 July – 10 July	Development phase 1 Complete 50% of our project development
4	11 July – 17 July	Development Phase 2 Prepared to present the developed product
5	18 July – 24 July	Demonstration of the working prototype Testing different user cases
6	24 July -31 July	Improving the development based on test results Final demonstration of working prototype Testing results Present Consumer Acceptance Document