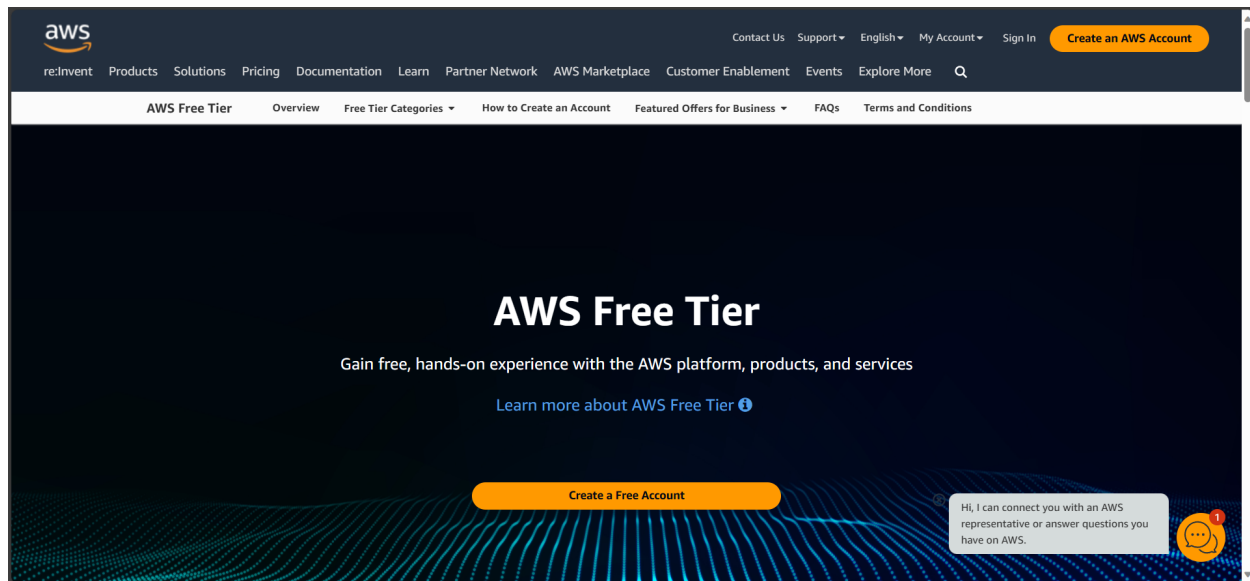| Rico, Justroilon C.	CIT 503-IT41S2 - Current Trends and Issues in Computing
IT41S2	Nov 23, 2023

Research on products or technologies associated with IT trends. Find articles that discuss the product evaluation based on the following:

1. Requirement Analysis
2. Functionality
3. Scalability
4. Reliability and Performance
5. Security
6. Vendor support and maintenance
7. Cost

Amazon Web Services / Cloud Computing

1. **Requirement Analysis:** The first problem that AWS tried to solve was the lack of accessible and scalable cloud computing services. Its goal was to give companies a platform to use different computing resources without having to worry about maintaining physical infrastructure. Its product line has grown over time to meet a variety of needs, including those related to storage, databases, analytics, machine learning, and more.

2. **Functionality:** AWS provides a wide range of services, including content delivery (CloudFront), databases (RDS), storage (S3), processing power (EC2), and more. These services meet a variety of demands and let users choose just what they need without extra features or expenses.

3. **Scalability:** Scalability is one of AWS's best qualities. Without significant interruptions, users can simply scale up or down their resources in response to demand. Resources can be automatically adjusted to maintain consistent performance with the help of services like Auto Scaling.

4. **Reliability and Performance:** High dependability and availability are features of AWS. It lowers the chance of downtime by operating across multiple data centers worldwide. Its strong architecture and redundancy controls also guarantee user's continuous performance.

5. **Security:** AWS prioritizes security and provides a range of tools and capabilities to safeguard applications and data. To satisfy various security requirements, it offers

identity and access management tools, encryption services, and compliance certifications.

6. **Vendor Support and Maintenance:** Depending on the needs of the user, AWS provides technical help and guidance through a variety of support options. These plans offer varying degrees of assistance, education, and resource access, ranging from basic to premium.

7. **Cost:** Pay-as-you-go pricing for AWS enables customers to only pay for the resources they really utilize. Because of its low cost, flexible pricing structures, and capacity to maximize resource utilization, it appeals to companies of all kinds.

Reference:
- [What Is Amazon Web Services and Why Is It So Successful? (investopedia.com)](investopedia.com)