














# What are the best practises in ecommerce?

## Plan

For my individual project I have lots of freedom in the technical choices. However, every technical choice that I make must be validated with sources to prove it is indeed a good decision. To research what choices I should make, I looked for the best practises in the context of eCommerce. Here are the most important non-functional requirements according to (Technologies, 2021): **Performance, Scalability, Security, Maintainability, Usability**. These non-functional requirements also allow me to touch all the learning outcomes.

Here are the sub questions I will answer. Answering these questions will help me answer the main question in this research.

Sub Question	Method	Strategy
How to optimize page loading speed?		<b>Best good and bad practices:</b> Find the best practises for optimizing page loading speeds.
		<b>Benchmark test:</b> Validate that the page loading speeds are fast enough according to my requirements.
How many concurrent users should my website be able to handle?		<b>Competitive analysis:</b> Compare how different websites or systems handle load based on available data or reports.
Which software architecture provides performance and efficient scalability up to one million concurrent users?		<b>Best good and bad practices:</b> Research what types of architectures are out there and filter out architectures based on quality requirements.
How does my website's performance scale as the number of concurrent users increases?		<b>Non-functional test:</b> Create load testing scenarios to determine the maximum number of concurrent users my website can support.
Which type of hosting provides high performance and automatic scaling?		<b>Best good and bad practices:</b> Find the best practises for hosting eCommerce projects.
		<b>Non-functional test:</b> Create load testing scenarios to make sure my host provides automatic scaling.

What are the best practices for enhancing and maintaining security in eCommerce platforms?		<b>Best good and bad practices:</b> Find best practises in security for eCommerce projects.
		<b>Security Test:</b> Test the implemented security measures.
		<b>Static program analysis:</b> Set up static code analysis to detect security breaches.
What are the best practices for ensuring maintainability in eCommerce platforms?		<b>Best good and bad practices:</b> Find best practises in maintainability in eCommerce.
What are the best practices for improving usability in eCommerce platforms?		<b>Best good and bad practices:</b> Find best practises in maintainability in eCommerce.
		<b>Usability testing:</b> Validate that my website is understandable and user friendly.

## Timeplan

I want to finish all the library tasks before the 13th of October. The rest shouldn't take too long

## Bibliography

Technologies, C. (2021, August 3). *E-commerce Website Functional and Non-Functional Requirements With List & Examples*. From nasscom community:  
<https://community.nasscom.in/communities/mobile-web-development/e-commerce-website-functional-and-non-functional-requirements>