

# Testing a WIS report

Workgroup number: E8.01

Repository: <https://github.com/andrsdt/Acme-One>

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## Executive summary

*This document consists of an explanation of what we know about testing a Web Information System after taking some subjects from this degree of Software Engineering.*

## Revision table

Revision number	Date	Description
V1	22/02/22	Initial version
V1.1	25/02/22	Added some information
V2	27/02/22	Final version

## Introduction

It has already been taught to us in different courses the importance of testing a Web Information System, not only because of making sure that our code is right, but for keeping it simple, eliminating defects or guaranteeing quality.

We will describe what we know about testing a WIS, the different types of tests there exist, their different utilities, and their different purposes.

## Contents

Testing a Web Information System is checking if our system works as expected, if there are any bugs, etc. In general, we could say they check different attributes of our WIS such that functionality, performance, or security.

We know there are 5 different types of tests:

- Unit tests:** They test small parts of code, called “units”. This kind of test has a low granularity compared to the other kind of tests. The most important quality could be the fact that they run very fast.

- Integration tests:** This kind of test is performed after unit tests, proving that all units already tested work correctly altogether.

- End-to-end tests:** This kind of testing is used for simulating complete real scenarios, testing functionality and performance of the whole system

- Acceptance tests:** This type of testing is used just for verifying that the system fulfills all requirements.

- Exploratory tests:** This last type of testing tries to cover defects that are not covered by the other tests.

Although these are the different types of testing we have studied so far, there exist many different ways of testing any Web Information System, and tests will be really different from one system to other, they really depend on the different requirements of the system.

## Conclusions

*Although we have some knowledge about testing a Web Information System, we still are learning how to test this kind of system. We are still in progress of learning how to test WIS properly, so we hope to become real experts in the field of testing and learn everything about it, not only the basics, after we finish this subject, Design and Testing II.*

## Bibliography

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