# Wk 01 Instructor Notes

## Overview

Besides introducing themselves, the student will find two issues in the news about Testing, help identify the importance of Testing.

## Objectives

By the end of the week, each student will be able to:

* Evaluate Testing Business Issues
* Propose Business Case for Testing Overview

## Before the Week Begins (Prepare)

Partnership/Group work:

* Partner Assignments: You will need to identify students' location, either by time zone or area, to help create partnerships for the rest of the course.

## Looking Ahead

* Please create and post your Announcement for W02 by Friday of this week, at the latest by Monday.

# Prepare W01: Business Case

## Overview

One of the biggest arguments both management and software practitioners use is "there is not enough time to do testing." Or it is the last thing on the schedule and gets time-constrained.

## Objectives

By the end of the week, each student will be able to:

* Evaluate Testing Business Issues
* Propose Business Case for Testing Overview

## Preparation Material

Please read the following and prepare to start or complete activities for Teach One Another and Prove assignments to be prepared for this module's activities.

### Reading

* See [Reading Materials](../Reading/Reading.html)

As you read, try to answer these questions:

* In your own words, what is Testing? What is its purpose? Why should we test?
* Give a brief description of Testing to other fields? Point out the differences. Provide an example of the differences?

# What articles did you find about Testing?

## Overview

You will be submitting two summaries of articles relating to software testing. The purpose is to get a better understanding of how Testing affects our profession and career field.

## Instructions

Write up a summary of two articles that you found about Testing, using the following format

* Article Title:
* Article Author:
* Article Reference/Citation:
  + Where did you find it?
* Article Summary:
  + Summary
* How does it relate to QA-Testing? How does this proved that QA-Testing is important in Software Development?

### Follow-up Questions

* Answer the following:
  + What is the issue?
  + What are the risks associated with it?
  + What mitigation or preventions were used or suggested?
  + What could you learn from this?

## Rubric

Use the following rubric to help understand the expectation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Exceptional 100%** | **Good 90%** | **Acceptable 70%** | **Developing 50%** | **Missing 0%** |
| **Article Summary 1  20%** | The summary is exceptionally done. | Provide a summary. | Answered all four required details. | Missing elements of the requested information | No Article summary |
| **Article Summary 1  20%** | The summary is exceptionally done | Provide a summary. | Answered all four required details. | Missing elements of the requested information | No Article summary |
| **Follow-up Questions for Article 1  20%** | Answered all questions, clearly described and well supported with quotes | Student Provided detailed answers to all the questions. | Missing 1-2 answers, and answers are detailed. | Missing the majority of answers to questions or answers consist of 1-2 sentences. | No answers to questions |
| **Follow-up Questions for Article 2  20%** | Answered all questions, clearly described and well supported with quotes | Student Provided detailed answers to all the questions. | Missing 1-2 answers, and answers are detailed. | Missing the majority of answers to questions or answers consist of 1-2 sentences. | No answers to questions |
| **Professionalism 20%** | The paper is easy to read and communicated. | Properly cited, there are no grammar or spelling errors, and the writing style is "professional." | Found an instance of a spelling error, grammar error, incomplete citation, overly verbose wording, poor formatting, or poor writing. | A citation is missing where one is needed (plagiarism alert!). | Gross spelling/grammar errors or other aspects of the writing that make the paper difficult to read. |

The distribution of points starts at 50 percent for the minimal participation expectation and additionally stated expectations increase the percents.

# Prove: Business Case Report

## Overview

Help students understand that their project leads, managers, and C.E.O.s have to make financial decisions about the value and Return on Investment to spend the right amount of time, funds, and resources on Testing.

## Backstory

You just got the job to fulfill the needs for Testing for H.E.L.P, Inc. The product is in its 2nd release. There was no test team previously, and the development team did most of the Testing. The software failed the system tests, and a budget has been provided for a professional testing team.  
It would be best if you justified a large enough testing team to get the job done. You need to identify the major issues that the company is facing and the future risks that the company will assume if the team is under-budgeted, resource deficient, and up against a crammed schedule.

## Instruction

A business case is a document used to convince a company to fund a new business area. Typically the business case document discusses issues/limitations, mitigations/approaches/solutions, and the benefits.

### Business Case Template

You will use the following outline to create a business case:

* Contact Information
  + Company: H.E.L.P., Inc
  + Submitted by: <Your Name>
* Reason for the Project:
  + <Summarize the background information; feel free to add any additional information>
  + <Create two scenarios that might happen during software development or the delivery of the software if no additional testing was completed. (Think of two situations that based on the articles that you read from your research and your classmates, that could be prevented if Testing was properly done.)>
* Options
  + <Pick three of the options to include, describe each option and why you choose it.
    - Do nothing and let the S.W. Engineers test the product
    - Create a small 1-2 man team for each project
    - Create a medium size team to support multiple projects
    - Create a large size team to support the entire company
    - Any other test teams>
* Benefits
  + <Identify benefits for each of the options>
  + <Identify the general costs of each option and Return On Investment>
* Risks
  + <Identify three or more risks discussed in the class for each option>
  + <Assess what type of issues will be a problem for each option>
* Assessment
  + <Identify testing solutions or mitigation to the risks>
  + <Identify which options address the solutions>
* Recommendation
  + <Provide pros and cons of each option>
  + <Provide a ranking of options that you would choose>

## Make it your Own

The completion of the core of this assignment is 89%. The assignment needs additional personalized work to achieve 100%.  
Here is a list of possibilities

* Add any additional information to the background.
* Add scenario.
* Have 4th or more options.
* Identify 4th or more risks.
* Use some new method of displaying the information.
* Use high-level formatting to make it more readable.

## Submission

Make sure that you upload a copy of your document to iLearn.

Don't forget the following

* Citations
* Format: Paper should be 1-3 pages. (Most managers don't like to read more than three pages).

## Rubric

Use the following rubric to help understand the expectation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Exceptional 100%** | **Good 90%** | **Acceptable 70%** | **Developing 50%** | **Missing 0%** |
| **Report 80%** | Make it your own | Answered all the questions in detail. | Contains all required information and some minor issues | Has two or more major issues | No answers to questions |
| **Professionalism 10%** | The paper is easy to read and communicated. | Properly cited, there are no grammar or spelling errors, and the writing style is "professional." | Found an instance of a spelling error, grammar error, incomplete citation, overly verbose wording, poor formatting, or poor writing. | A citation is missing where one is needed (plagiarism alert!). | Gross spelling/grammar errors or other aspects of the writing that make the paper difficult to read. |
| **Citations 10%** | One of the citations is a primary source | The citation contains 3-4 additional sources other than the reading. | Contains 1-2 more citations other than the reading | Includes citations from the reading | No Citations |