

# Software Engineering I

## Session 1

### Portfolio Task

#### Topic: Software Failure

#### Submission Format: Narrated Presentation

##### 1. Introduction

You are required to research a case study of a notable software failure from the past ten years, and to create a *narrated presentation* based on the case study.

##### 2. Deliverables

###### *Case Study*

The case study should cover all of the following topics:

- Introduction to the case.
- Details of the case.
- Reasons for the software failure.
- How software engineering failings contributed to the failure.
- Consequences of the failure.
- Recovery from the failure.
- How the failure might have been avoided.

###### *Presentation*

- The presentation must be in PowerPoint format.
- The presentation must be narrated (see below for details).
- The presentation must be a minimum of ten slides and a maximum of twelve slides in length (not including the title slide and the references slide).
- The submitted presentation should last a minimum of ten and a maximum of fifteen minutes.
- A single slide should not contain more than 80 words.
- The PowerPoint theme used must be appropriate for an academic audience.
- You must use black font on a white background, easily readable fonts, and appropriate font sizes.
- Graphics and data (if used) must be clearly presented.
- The final slide should provide a list of references for the sources you have used (maximum 8 references).

### 3. Submission

- Submit your portfolio task via the appropriate dropbox in Moodle.
- Name your portfolio file: *username\_se1\_s1\_portfolio\_task.ppsx*.

### 4. Assessment

Your work will be assessed on the following criteria:

<b>Completeness</b>	All the required components of the work have been completed. Conforms to stated length guidelines. Does not contain notable circumlocution or repetition.
<b>Appropriateness and depth of research. Use of research.</b>	Uses appropriate sources for HE. Uses a suitable range of sources. Displays clear evidence of in-depth research. Where appropriate, research is used to support arguments and facts contained in the work. Is able to synthesise disparate sources into a coherent whole. Techniques for practical exercises have been carefully researched.
<b>Quality of task</b>	The work is clear and the central narrative is well constructed and easy to follow. There are no factual or logical errors. The work is well structured, and there is a clear sense of development from start to finish. The work is engaging and shows excellent evidence of understanding of the topic. Displays excellent problem-solving skills when appropriate.
<b>Academic skills</b>	The work evidences a high level of academic skills. Grammar, spelling, punctuation and presentation are excellent throughout. Referencing and citation is done to a high level. The work is appropriate for a higher education audience. The work follows best-practice guidelines for the completed task (e.g. essay, presentation, report, modelling, etc.).

### 5. Narrated presentations

#### *Creating*

A narrated presentation involves adding a voice commentary to a presentation and saving the presentation as a PowerPoint show. To create a narrated presentation you need PowerPoint 2010 or later, a soundcard and a microphone.

#### *Saving*

To create a PowerPoint show you must save your PowerPoint file in .ppsx format.

#### *Narrating*

- *Write a script for each slide.*
- Read your script slowly and clearly.
- Pause between sentences.
- Clearly articulate any 'tricky' words.

*Tips on narrated presentations*

<https://www.youtube.com/watch?v=QZp3jumnWUg>

<https://support.office.com/en-us/article/Record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c>

<https://support.office.com/en-gb/article/Turn-your-presentation-into-a-video-c140551f-cb37-4818-b5d4-3e30815c3e83>

