**2810ICT/7810ICT Software Technologies, Trimester 2, 2020**

**Workshop 3 – Software Development Lifecycle**

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| *When* | Week 3 |
| *Goal* | In this workshop you will look at a dataset and prepare a brief system vision document and software design document. |
| *Mark* | 0 |

**1. Preparation**

Before your lab class:

* Read all of this document.
* Review the lecture notes for week 3.

**2. Workshop activities**

1) Form a team with (up to) 2 other students in the workshop. It may be beneficial to work with students who are NOT in your assignment group (so you get exposed to some different ideas/ways of thinking).

2) Look at this hotel booking demand dataset - [https://www.kaggle.com/jessemostipak/hotel-booking-demand/data#](https://www.kaggle.com/jessemostipak/hotel-booking-demand/data). Download and explore the dataset (10 minutes)

3) Consider the scenario where your team has been employed by a hotel management company to provide software to analyse/visualise this data:

* Prepare a brief system vision document (problem description, system overview and benefits). Discover and understand the details of the project. (20 minutes)
* Identify and prepare 4 use cases for the software (draw.io might be good for this). (20 minutes)
* Design and detail some of the system components –functions, classes, data, architecture, interfaces. (30 minutes)