



CO1605

Systems Analysis Revision

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**The following exercises use
the Hypnos Hotel case study
which can be found on
Blackboard in the case
study folder**

Use Case Diagrams

Using the information given in the Hypnos Hotel case study, draw a use case diagram that captures the key functions/requirements.

Don't forget to add the <<includes>> and <<extends>> where appropriate.



Activity Diagrams

Draw an activity diagram to satisfy one or more of your use cases from the Hypnos Hotel case study. Choose the more complex ones as it will help your understanding.



Textual Descriptions

Write a Textual Description to satisfy one or more of your use cases from the Hypnos Hotel case study. Again, choose the more complex ones.

Make sure you follow the template for a Textual Description (see lecture slides for examples)

<u>Header</u> Use Case Name: Actors: Purpose: Pre-Requisites: Post-Requisites:
<u>Main Success Scenario</u> 1) 2) 3) ...
<u>Alternative Paths</u> E.g. 1a. i 1a. ii 1b

Requirements

- a) Write the possible functional requirements that the user would expect to see in a proposed new system for the Hypnos Hotel.
- b) Write user stories to justify three of your functional requirements.
- c) Write a list of possible non-functional requirements for the proposed new system.
- d) Use the MoSCoW Analysis technique to prioritise your functional and non-functional requirements.

LifeCycles and Methodologies

The Management at Hypnos Hotel have been reading up on Lifecycles and have decided that they will use an agile lifecycle for the development of their new system. Discuss agile lifecycles and how using an agile approach may help or hinder their success.



**Your Semester 2 classes
begin Monday 22nd January**

