

# Systematic Software Development

## Week 1 Exercises

1. Draw a set of user interfaces sketches corresponding the states of the state transition diagram in slide 16 of Lecture 1.  
Can you think of an alternative version of the user interface that also corresponds to the state transition diagram?
2. Alter the details of the state transition diagram to more accurately reflect your sketches.  
In particular think about user interface elements that should appear or disappear or else are enabled and disabled in the various states.
3. Draw extra sketches corresponding to the cases where an invalid name and an invalid password are entered.  
Modify the state transition diagram to represent these cases.
4. Draw a state transition diagram to denote logging into the LSBU web Outlook mail system at <https://mail.lsbu.ac.uk>
5. Discuss the difference between the LSBU Outlook mail system and the one you have designed in questions 1, 2 and 3.
6. Download the TextDemo project from Project section of the Moodle site, unzip it and run it
7. Using Visual Paradigm draw a state transition diagram for the artefact.