Practical 6: Requirements Determination, Part 2

Important note: Your submission for the practical should be typed and you should use Together Control Center to generate the business use case model and the business class diagram. These can be saved as .gif files and imported into your typed document. The context diagram can be drawn using any graphics package. When using Together Control Center you should:
a) create a new project for each exercise
b) use a different directory for each project
c) ensure that these directories are in your home account
d) use the "Designer View" to create your diagrams.

Consider the problem statement for a Time Logging (TL) system.

- A software production company is given the task of developing a time logging tool for public sale to organisations in need of time control software for their employees.
- The TL tool will allow employees to enter time records, i.e. time spent working on various projects and tasks, and time without any work done (e.g. pauses, lunches, holidays, etc.)
- The time can be entered by directly (manually) recording the start and end times or by using the stopwatch facility which links to the computer clock. The stopwatch facility allows the employee to use start/stop command buttons to say when an activity started and ended.
- The TL tool will allow clients for whom the work is performed to be identified. Related functions are to bill the clients, produce invoices, and keep track of payments.
- The TL tool will allow the production of customised time reports with various reporting details suppressed or added, as required by the employee.
- The TL tool will allow easy changes to time records already entered. It will also provide various sorting, searching and filtering capabilities.

1. Draw a context diagram for the TL system. Explain the model.
2. Draw a business use-case diagram for the TL software tool. Explain the model.
3. Draw a business class diagram for the TL software tool. Explain the model.