CS5030 - Software Engineering Principles

Assignment 3 – Feedback

The following points are in addition to the class feedback.

Assignment requirements

Requirements	The functional requirements are mostly as mentioned in the natural language spec for the assignment. These have to be structured and specified properly. Non-functional requirements look reasonable but again have to be specified in the proper format. It is not clear what 'data scale has tens of thousands of data' means.
Use case diagram	There should be a single use case diagram for the system. You can combine the 3 diagrams into one. The details look broadly fine.
Use case specifications	Only 2 use case specifications were required. You need to include information such as actors, pre-conditions and post-conditions for each specification.
Logical software architecture	A component diagram or a simplified class diagram may be better here. A layered style is reasonable here but you have not justified your choice. The lines between packages seem to have different meanings in different layers.
Structural design	It is good that you try to show how classes fit into the architecture from the previous section. This diagram shows a partial design for the system. Good attempt.
Behaviour design	Minor issues with sequence diagram syntax but broadly fine.
Analysis of design	You have provided a description of your experience of designing the system. Some comments of the process as well as how the outcomes satisfy requirements would be useful.
Reflection on the use of UML	Some interesting points here.
Extensions	N/A

Report

Structure	Fine.
Formatting	OK. Can be tidier.
Writing style	OK. Minor language issues. It would be better to justify decisions in individual sections and discuss overall process and outcomes at the end.
References	N/A