**AADP Coursework Feedback**

**Student Name: Ebenezer Graham**

|  |  |
| --- | --- |
| **GROUPWORK (70)** |  |
| ARCHITECTURAL DESIGN  Introduction  Good brief introduction explaining the purpose of the document. You have been resourceful and given a lot of thought to how the business will work and hence how this will inform architectural design. You might have been more explicit about the information sharing with Food Suppliers beyond saying *“The manager can then be alerted if we hit stock reorder levels.” –* what happens next ?  Context Diagram  You show a reasonable understanding of the value of a context diagram in setting out an overview of the system and the environmental context to which it will contribute. It could be improved by clarifying (i) how the manager interacts with the Warehouse Stock system (ii) what the “Peer System” is given that “*Bonne Cuisine will not ……. integrate with other systems”* (iii) the intention behind the superordinate and subordinate systems (iv) why the delivery system is connected to the stock management system rather than the order system (v) whether the Payroll system should be in the Context Diagram or not since it is referred to later in Figs 2 & 3.  Architectural Rationale  The conceptual structure description reads reasonably well. You show a reasonably good understanding of a design process using patterns. You selected SOA & MVC as your principal design patterns. You might have begun the narrative by conceiving the overall design as being separated into three layers: presentation, business logic and data layers so as to better explain the relationship between SOA & MVC.  You explain reasonably well some strengths and weaknesses of SOA. The argument about one benefit of SOA enabling different technology stacks and a diversity of “multiple programming languages, development frameworks and data storage technologies” is less convincing for a start-up operation when you need tight control on skills needed and tools to be purchased. The explanation of High Fault Tolerance was generic and would have benefitted from a specific example.  Physical Deployment  You made well considered decisions about hardware locations and the buying vs renting options (though you might have acknowledged the risk of being at the mercy of increased rentals costs in the future). You might have commented on the impact on real-time network performance if you had to rely on facilities in London or Frankfurt. You recognise well the different quality attributes that can affect the design e.g. availability, scalability security and the different trade-offs that must be made.  Presentation  The quality of presentation throughout is high. To improve it:   * Re-read carefully to improve the flow in places e.g. *In the unlikely circumstance in which the cloud instances in Paris are experiencing downtime, a slave model like we have will have an equivalent database/server instance filling in, ………….* * Use Level 2 numbered headings | 29 |
| ARCHITECTURE REVIEW REPORT  You have set out well a description of an independent review of the draft architectural design. You recognise the value of external independent critique, you did reflect, and you made some adjustments to your design. This section would have benefitted from a short passage of discussion setting out what additional mechanisms you used internal to the group to help each individual with the development of the principal components and hence to make any re-adjustments to the architecture, and some general reflections about the wider benefits of peer reviews. | 16 |
| RECORD OF MEETINGS  You generated a reasonably good record of some of the meetings. However, at several meetings no actions were recorded, and hence there was no follow up at subsequent meetings, so it was not clear how progress was being monitored. | 2 |
| **Total** | 47 |
| **INDIVIDUAL (30)** | |
| Good introduction explaining the purpose of the document. You could improve the introduction by clarifying the interactions with other systems. For example, does not mention the Payment system that was in the Context diagram. Also, the choice of a person symbol for the CRM and Order Systems is confusing and it would have helped if the text on P22 was in the Introduction.  You have shown a good understanding of an OO design process. You might have completed the details of the classes in the Class diagram. You have used a Factory and MVC design patterns, though the explanation of the use of MVC was not clear. Which is the Model and the View? What might be a “Client”? How does this MVC related to the single user interface for the entire system?  Presentation  The quality of presentation throughout is good. To improve it:   * Use level 2 headings | 21 |

Group Mark = 47

Perceived Contribution from other Group Members = 100%

**Moderated Group Mark = 47 \* 100% =47**

**Individual Mark = 21**

**FINAL MARK = 47 + 21 = 68**