

James Millns - Information Engineering Exam

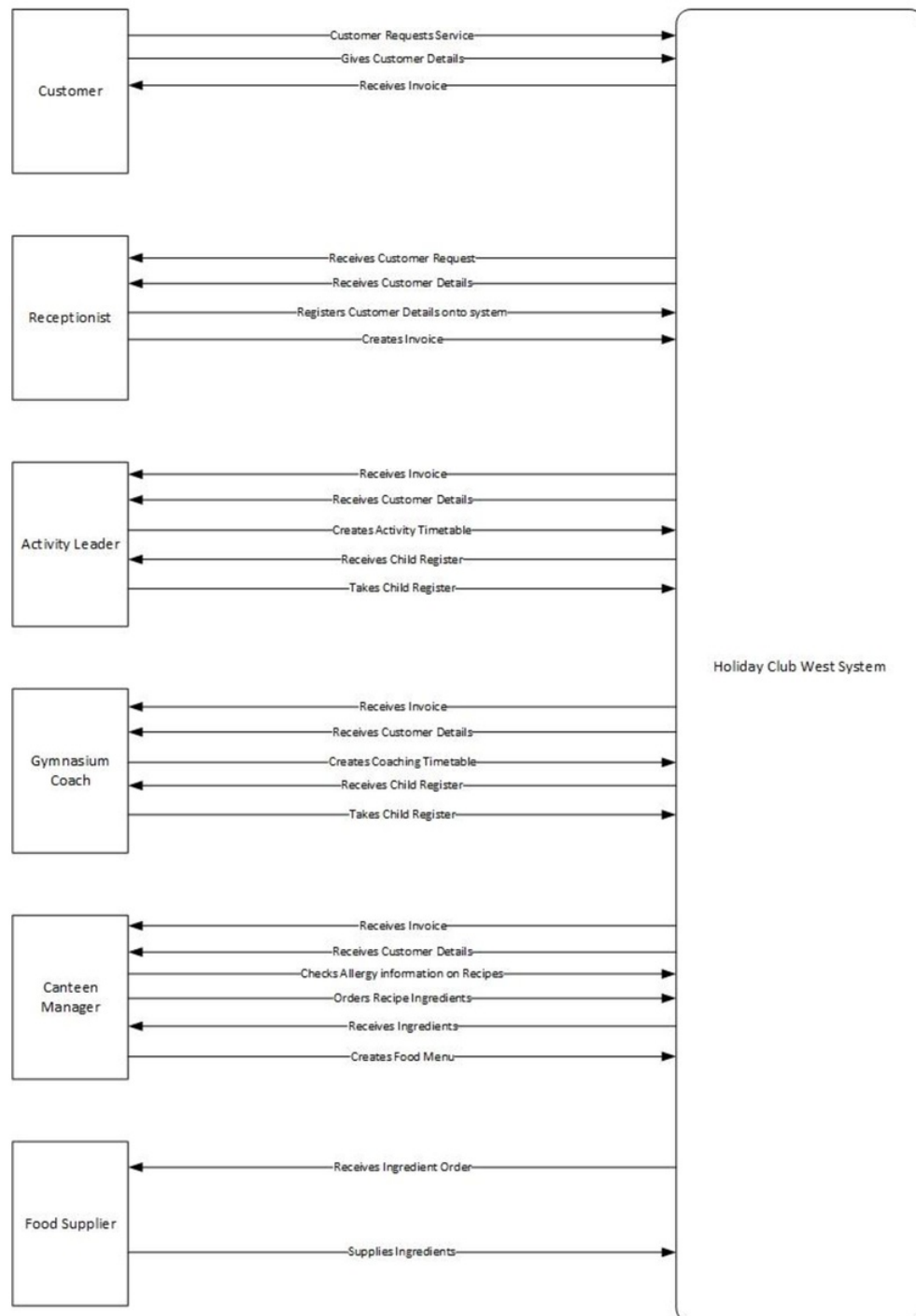
by James Millns

FILE	6668_JAMES_MILLNS_JAMES_MILLNS_- _INFORMATION_ENGINEERING_EXAM_94287_1009860901.DOCX (939.29K)		
TIME SUBMITTED	15-JAN-2018 05:49PM (UTC+0000)	WORD COUNT	17
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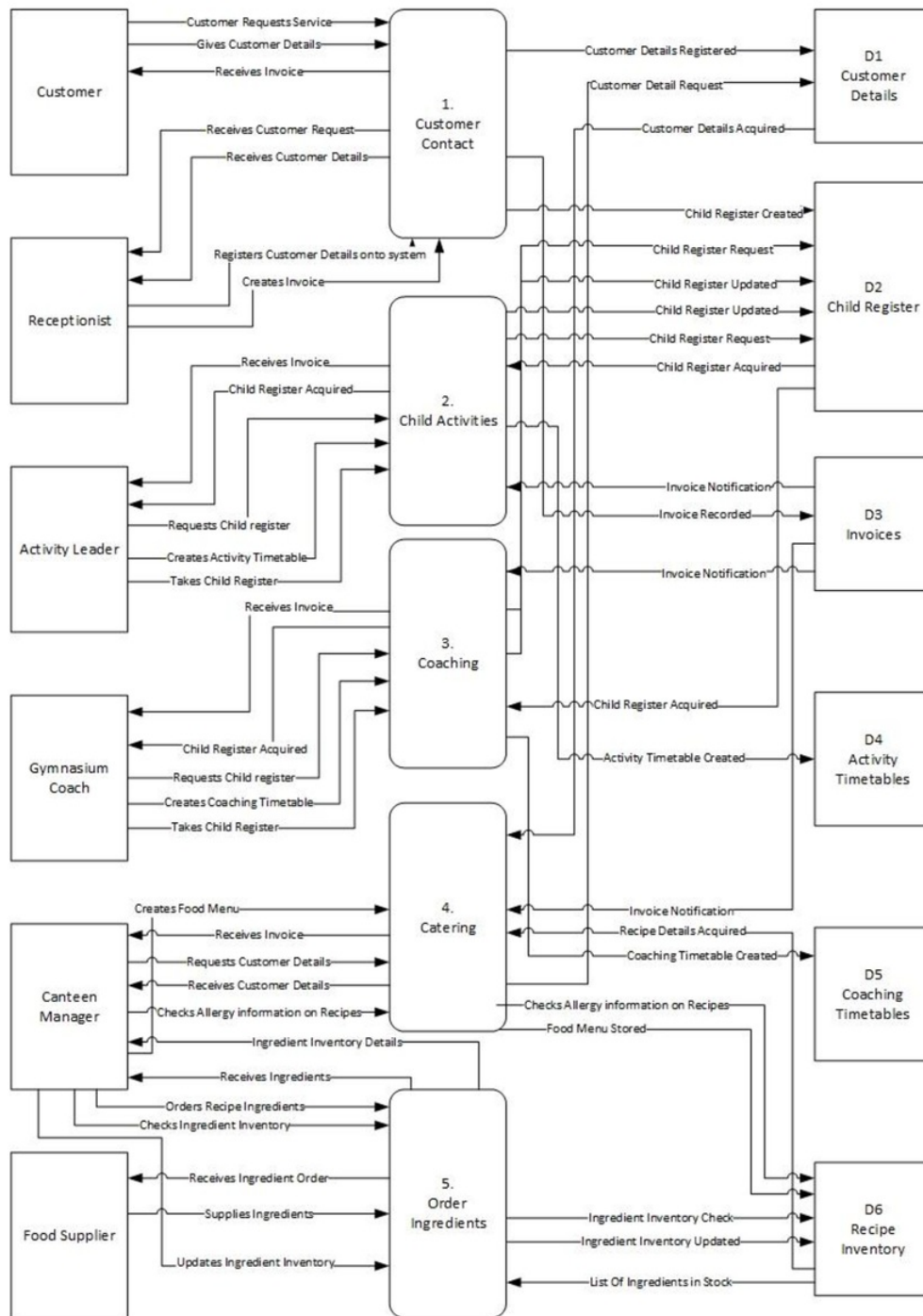
Information Engineering Exam

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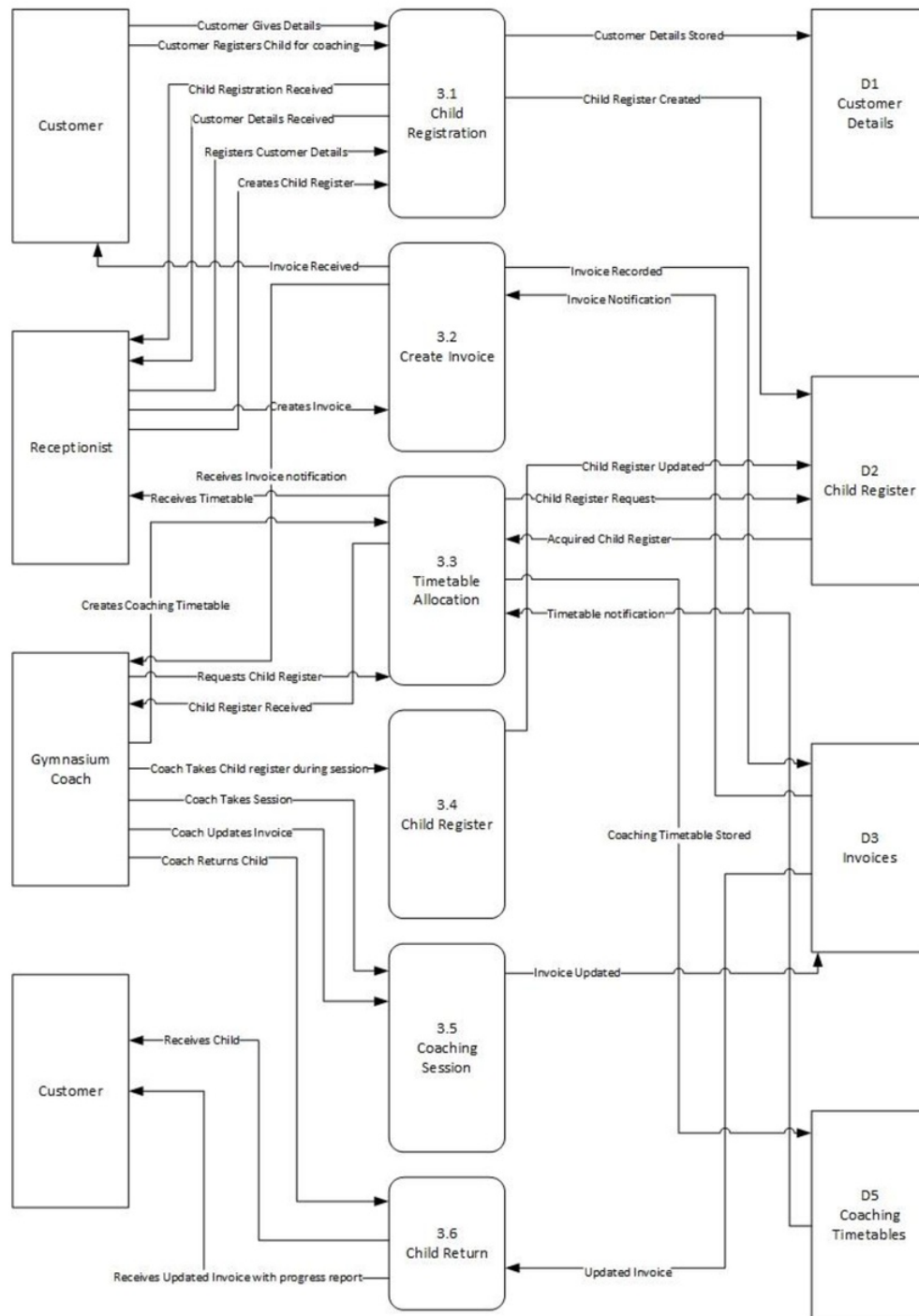
Context Level Diagram



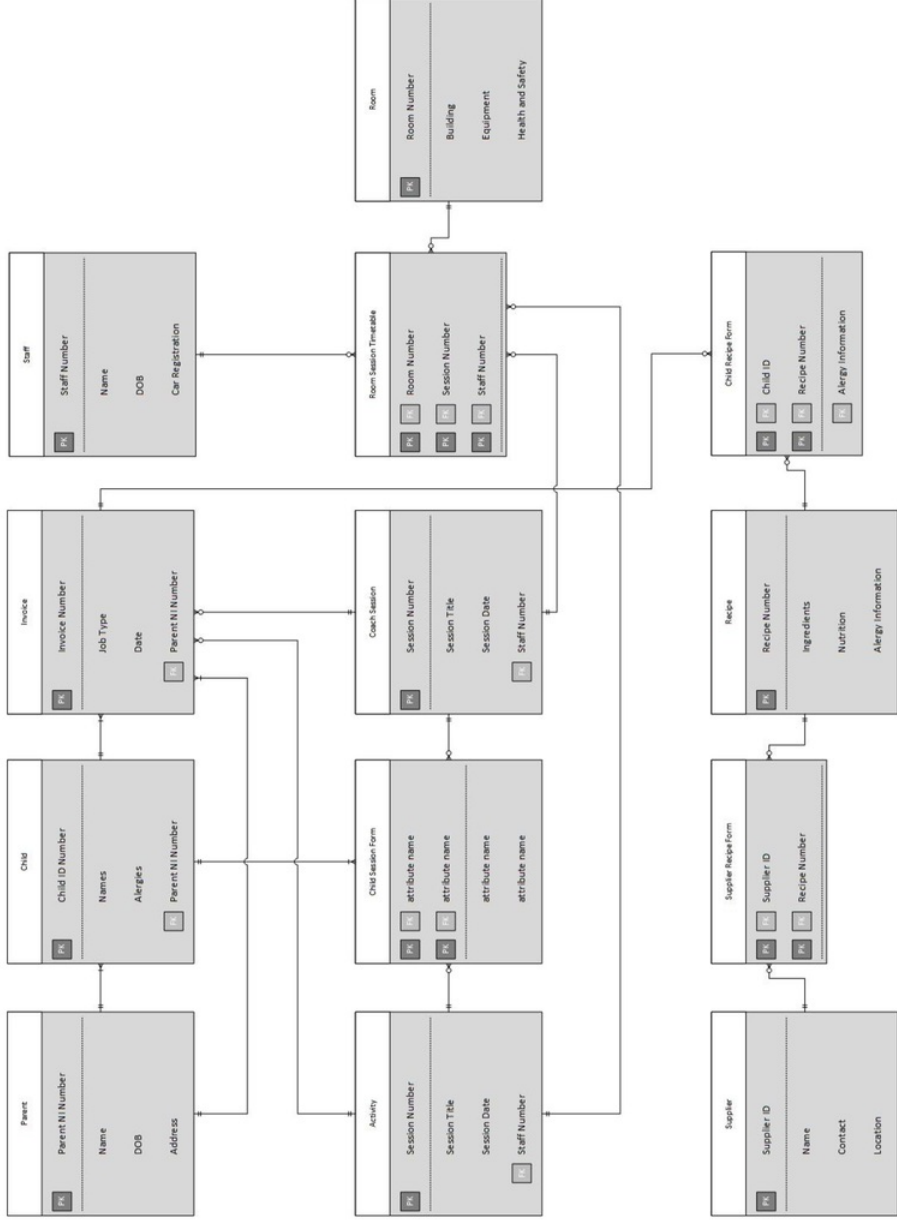
Level 0 Diagram

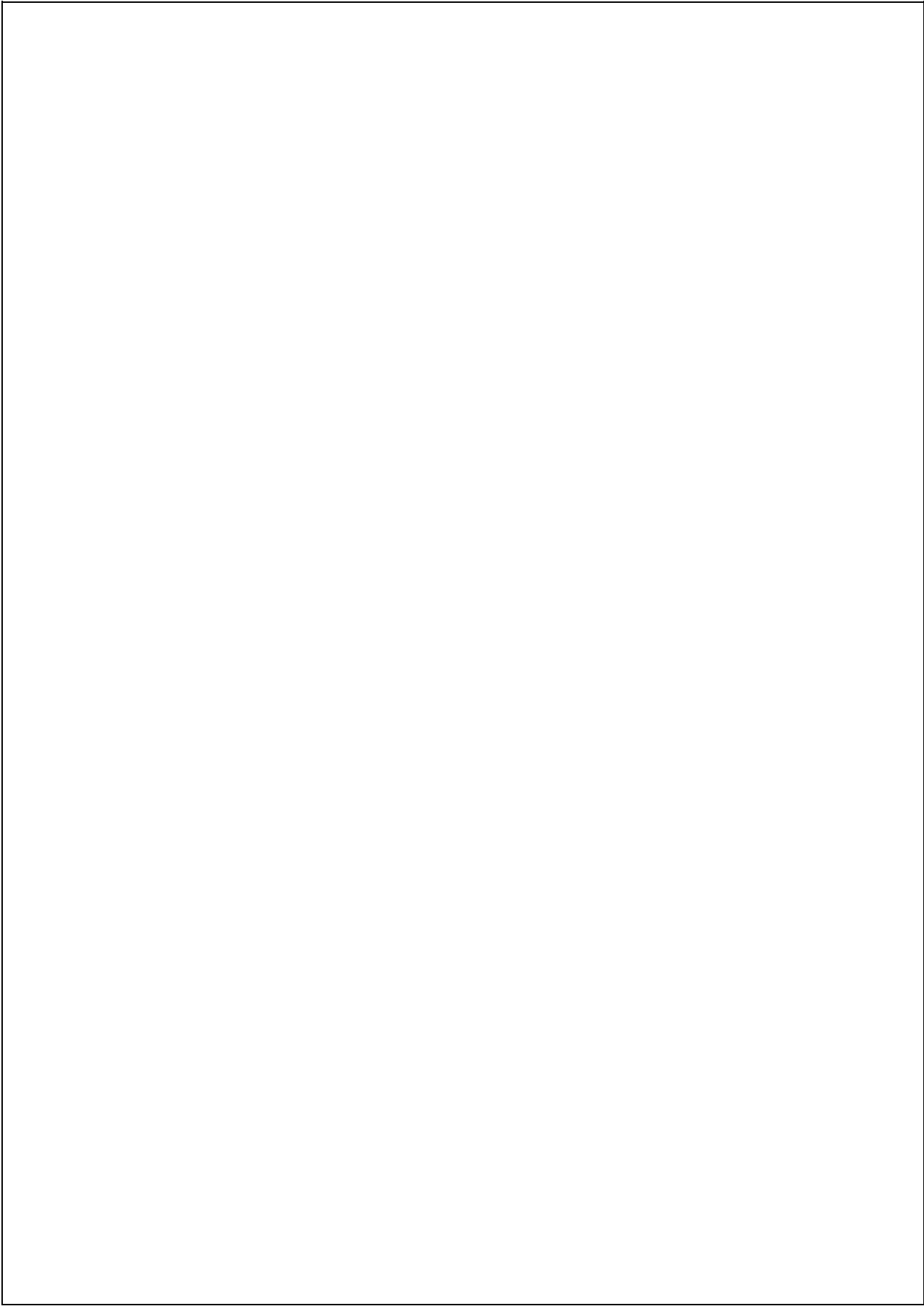


Level 1 Diagram



Entity Relationship Diagram





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GRADEMARK REPORT

FINAL GRADE

76/100

GENERAL COMMENTS

Instructor

You make a great start with your context level diagram and you have correctly identified the interfaces that would interact with your system however I do feel that the parent or your customer with sending child details at the very beginning. I also feel that the food supplier is not within the context of this diagram if you mean catering staff then that would read better but food supplier to me, suggest an outside source.

The level 0 DFD has been carefully and clearly developed. Labels are clear and dataflow lines well-planned in and out of the processes that you have suggested are required. Again I must point you towards the customer interface where the customer request services and gives customer details. I do feel to complete your dataflow the customer here would also supply details of their child or children that they want to book onto the system. I like the idea of an activity leader and it is at this point we see the child register. However if the customer has supply details how to rebuild this register.

That said on your level one DFD you do rectify the situation and the customer registers the child for coaching. Again is a very clear well-planned and well labelled diagram and demonstrates that you have an in-depth understanding of using DFD's for the systems analysis process.

You have presented a very comprehensive ERD however, I do not feel an external supplier of food which I think is what you're alluding to is necessary. Within the context of the question we only need to record whether the child requires food or has any allergies this could be put on the child entity. Your relationships on the other entities work well however we need to make it clearer that one parent could have many children one child could have many parents have to composite key link would be better than on the child session for I'm not sure what attributes want in the system however do not link via too many relationships as this would cause problems with the data integrity. For example you have related a coaching session back to the invoice but there is no way of linking this data as you have not identified the appropriate foreign keys. Generally this is a very good assignment submission have a look over the entity relationship diagram as you

need to think about how the entities link together.

KU Design methods			Analysis	PA	SPP	
5	10	10<				

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