Solution plan — analysis and design (up to 20 marks)

Topic	Method/Approach	Possible Mark
Undertaking the analysis using appropriate techniques.	The learner should provide evidence of having undertaken analysis for both the business model and the view model for the partial system being developed. **Business model** Identification of classes, methods and attributes – (possible methods would include. textual analysis, CRC cards, use case scenarios and/or activity models). The top level use case model for the partial system being developed should also be included here. **View model** Identification of an appropriate data binding model to link the view to the underlying business model. User analysis to try to ensure the HCI designed meets the needs of the potential users.	
Evidence for the analysis and design of the prototype application for the given brief.	The learner should provide evidence of analysing and designing a prototype application for the partial system being developed. The evidence may include: **Business model** Static model — class diagrams should clearly show the visibility of the attributes and methods for the classes. Associations should show direction and multiplicities. Inheritance and/or interfaces should be shown as appropriate to the scenario. Dynamic mode — (e.g. use case models, sequence diagrams). Both the static and dynamic models should be produced using UML. **View model** UI design – this should be justified using appropriate design principles. Data binding design — how the UI objects will link to the business model.	
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