

# Home assignment

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Consider a construction procurement system where the procurement department 1) identifies to be procured items based on project plan, 2) the procurement department then needs to use the BIM model to extract the quantity of the materials to purchase, 3) the procurement department then sends inquiries to the its identified suppliers, 4) receives their quotes, 5) selects its preferred supplier, 6) puts order for the supplier, and 7) arranges the receive of the order to the inventory

P1. Prepare dfd of the abovementioned procurement process (10 mark)

P2. Prepare 3NF ERD for the procurement process (20 mark)

(Use Visio for drawing dfd and ERD!)

P3. Prepare data flow medial analysis (15 mark)

P4. Determine the LOd of the BIM Components! (10 selective architectural, 5 structural, and 5 MEP components) (15 mark)

P5. Identify parameters to be added to the BIM model components! (20 mark)

P6. Explain different steps the BIM components parameters need to be completed! (20 mark)

**(in one week)**