

Phase 1 Rubric

Criteria	Ratings	Pts
Information Flow Diagram view longer description	Comments You are missing vehicle search form. That form should be used to provide search criteria to task and then task can either update same form or separate form with result set of search; Missing arrow from vehicle details form to update repair task; There should be two way arrow connecting add repair form with search vendor task; Missing search vehicle task; Should be one way arrow from update repair task to DB; Should be one way arrow from Add Repair task to DB; Search/Add vendor missing;	8.4 / 10 pts
EER Diagram view longer description	Comments It should be overlapping relationship between Users subtypes; Separate fields for Customer's address; Vehicle Type and Manufacturer should be entities; Vendor should be entity; Unnecessary relationships; Cardinality between Inventory clerk and Vehicle and between Sales Person and Vehicle is 1:N; You can simplify Buy and Sell relationships between Customer and Vehicle; Both are just 1:N:M relationships; Buy is between Vehicle, Customer and Clerk with mandatory participation of Vehicle and Clerk and Sell is between Vehicle, Customer and Sales Person; Repair and Recall is 1:N;	30.4 / 40 pts
Data Types view longer description	Comments Vendor phone number should not be integer; In tables where address is expected there should be separate fields for street, city, state and zip; You shouldn't under any circumstance have table where you have columns that can have null values because that is not attribute of entity in a real world or in other words it does not apply to that particular record in a table. It was mentioned in a video lecture! Having said that, you should separate Personal and Business Customers to avoid this situation because attributes relevant to Business are not relevant to Personal and vice versa;	4.35 / 5 pts

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Constraints view longer description	Comments Missing business constraints: "Start/End dates for a repair cannot overlap w/ other repairs", "Completed repairs cannot be updated any further"; Some of these assumptions are actually business constraints defined in requirements;	4.72 / 5 pts
Task Decomposition view longer description	Comments Search/Add Vendor missing;	9.5 / 10 pts
Abstract Code view longer description	Comments Public search can't be performed by VIN; You could improve AC for View Vehicle Details; No validation and error handling for Add Sale when Sale Date is entered; Search/Add Vendor missing; Overall you did a good job with AC. You could be more consistent with Validation and Error Handling. Whenever there is user input you should validate. Whenever you try to write to DB handle error in case of unsuccessful operation;	26.7 / 30 pts
Total Points: 84.07		