YourGuitar Mission Statement

1) YourGuitar is an online semi-custom guitar builder which allows customers to choose from a variety of combinations of body styles, woods, electronics and finishes to create their own unique instrument. YourGuitar requires a database to track the various design combinations, as well as raw materials, components and customers.

2) The following entities and attributes are to be included in the YourGuitar database:

1. Customer(\* Customer\_ID, Email, Phone, First\_Name, Last\_Name, Address\_ID)
2. Address( \*Address\_ID, Address\_1, Address\_2, City, State, Zip)
3. Suppliers(\*Sup\_ID, Name, Website, Email, Address\_ID)
4. Body(\*Body\_ID, Body\_Shape, Body\_Wood, Sup\_ID)
5. Neck(\*Neck\_ID, Neck\_Wood, Headstock\_Format, Sup\_ID)
6. Fingerboard(\*Finger\_ID, Finger\_Wood, Inlay\_Type, Sup\_ID)
7. Pickup(\*Pickup\_ID, Pickup\_Name, Pickup\_Color, Pickup\_Style, Sup\_ID)
8. Tuner(\*Tuner\_ID, Tuner\_Type, Tuner\_Color, Sup\_ID)
9. Bridge(\*Bridge\_ID, Bridge\_Type, Bridge\_Color, Sup\_ID) X
10. Finishes(\*Finish\_ID, Finish\_Color, Finish\_Type, Sup\_ID)
11. Orders(\*Order\_ID, CM\_ID, Guitar\_ID, Payment\_ID)
12. Guitars(\*Guitar\_ID\*, Body\_ID, Neck\_ID, Finger\_ID, Pickup\_ID, Tuner\_ID, Bridge\_ID)
13. Payments(\*Payment\_ID, Payment\_type, Payment\_number, Verification\_Code, Expiration, Address\_ID, Customer\_ID)
14. Shipping(\*Ship\_ID, tracking\_number, Shipping\_date, Shipping\_Company, address\_ID)

The following data transactions will need to be provided by the YourGuitar database and data access application:

**DBA** - Business rule states that the DBA is the only authorized user that can input data concerning employers and personal client information. DBA has full control and access to all data in the YourGuitar database.

**Customers** – Customers can access a web page to customize various features on their semi-customizable guitar build.

**Data access application** - may need to run reports returning:

Sales data (Customers Data, Orders, Guitar Builds, etc)

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