OZBus Maintenance Service - Database Project

**Business Case**

OZBus Services operates in South Australia is a bus service which decided that they need a new Database to manage the bus maintenance service & technical information since the existing database causes a lot of redundancy and it’s very unstable. The scope of the database information shall include the technical information about all buses stationed and maintained, as well as part of the human resources.

The OZBus manager wants to implement a prototype of a simplified version of the existing database using the Oracle OORDBMS extension techniques for testing purposes.

Management prefers to keep the information as generic as possible. He confirmed the following business rules:

* A Bus variant model is a kind of model.
* A truck model is a kind of model.
* Each Bus variant model has 0, 1 or many Accessory(ies).
* Each accessory must belong to 1 and only 1 Bus Variant Model.
* Each Bus must belong to one bus variant model.
* Each bus variant model may have 0, 1 or many Bus(es).
* Each bus must belong to one and only company.
* Each company may have 0, 1 or many bus(es).

**Class Diagram**

