

Addis Ababa Institute of Technology

Center of Information Technology and Scientific Computing

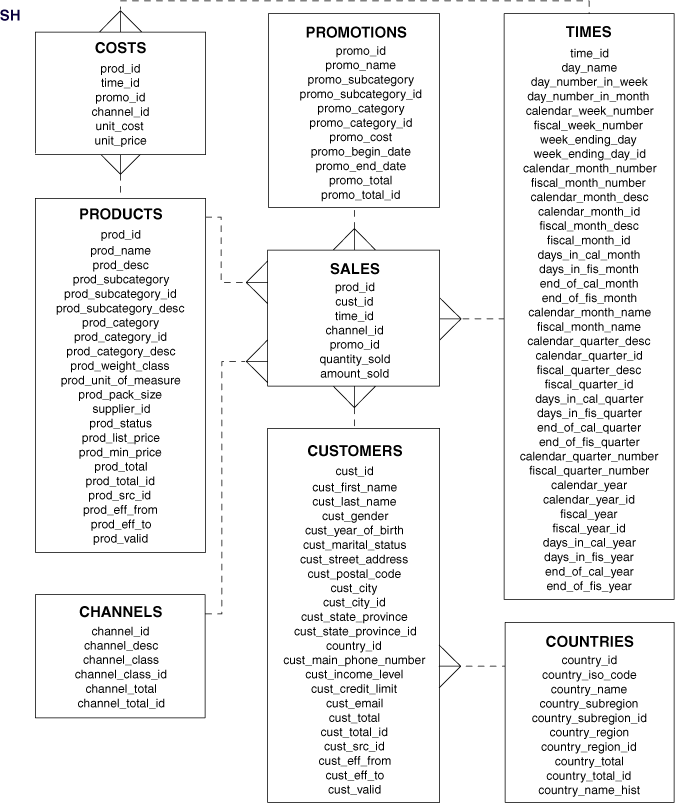
*Database Administration*

*HR Schema*

Prepared by: - Kalab Amare

ID: - ATR/0078/09

**Oracle HR Schema**



**Description Of Class Diagram**

The costs table has the following attributes:

* Columns: prod\_id, time\_id, promo\_id, channel\_id, unit\_cost, and unit\_price
* Relationships:
  + Column prod\_id relates one or more rows of the table costs to one row of the table products with the corresponding value of prod\_id.
  + Column time\_id relates one or more rows of the table costs to one row of the table times with the corresponding value of time\_id.

The products table has the following attributes:

* Columns: prod\_id (primary key), prod\_name, prod\_desc, prod\_subcategory, prod\_subcategory\_id, prod\_subcategory\_desc, prod\_category, prod\_category\_id, prod\_category\_desc, prod\_weight\_class, prod\_unit\_of\_measure, prod\_pack\_size, supplier\_id, prod\_status, prod\_list\_price, prod\_min\_price, prod\_total, prod\_total\_id, prod\_src\_id, prod\_eff\_from, prod\_eff\_to, and prod\_valid
* Relationships:
  + Column prod\_id relates rows of the table products to one or more rows of the table sales with the corresponding value of prod\_id.
  + Column prod\_id relates rows of the table products to one or more rows of the table costs with the corresponding value of prod\_id.

The promotions table has the following attributes:

* Columns: promo\_id (primary key), promo\_name, promo\_subcategory, promo\_subcategory\_id, promo\_category, promo\_category\_id, promo\_cost, promo\_begin\_date, promo\_end\_date, promo\_total and promo\_total\_id
* Relationships:
  + Column promo\_id relates rows of the table promotions to one or more rows of the table sales with the corresponding value of promo\_id.

The sales table has the following attributes:

* Columns: prod\_id, cust\_id, time\_id, channel\_id, promo\_id, quantity\_sold, and amount\_sold
* Relationships:
  + Column prod\_id relates one or more rows of the table sales to a row of the table products with the corresponding value of prod\_id.
  + Column promo\_id relates one or more rows of the table sales to a row of the table promotions with the corresponding value of promo\_id.
  + Column channel\_id relates one or more rows of the table sales to a row of the table channels with the corresponding value of channel\_id.
  + Column cust\_id relates one or more rows of the table sales to a row of the table customers with the corresponding value of cust\_id.
  + Column times\_id relates one or more rows of the table sales to a row of the table times with the corresponding value of times\_id.

The channels table has the following attributes:

* Columns: channel\_id (primary key), channel\_desc, channel\_class, channel\_class\_id, channel\_total, and channel\_total\_id
* Relationships:
  + Column channel\_id relates rows of the table channels to one or more rows of the table sales with the corresponding value of channel\_id.

The customers table has the following attributes:

* Columns: cust\_id (primary key), cust\_first\_name, cust\_last\_name, cust\_gender, cust\_year\_of\_birth, cust\_marital\_status, cust\_street\_address, cust\_postal\_code, cust\_city, cust\_city\_id, cust\_state\_province, cust\_state\_provice\_id, country\_id, cust\_main\_phone\_number, cust\_income\_level, cust\_credit\_limit, cust\_email, cust\_total, cust\_total\_id, cust\_src\_id, cust\_eff\_from, cust\_eff\_to, and cust\_valid
* Relationships:
  + Column cust\_id relates rows of the table customers to one or more rows of the table sales with the corresponding value of customer\_id.
  + Column country\_id relates one or more rows of the table customers to one row of the table countries with the corresponding value of country\_id

The times table has the following attributes:

* Columns: time\_id (primary key), day\_name, day\_number\_in\_week, day\_number\_in\_month, calendar\_week\_number, fiscal\_week\_number, week\_ending\_day, week\_ending\_day\_id, calendar\_month\_number, fiscal\_month\_number, calendar\_month\_desc, calendar\_month\_id, fiscal\_month\_desc, fiscal\_month\_id, days\_in\_cal\_month, days\_in\_fis\_month, end\_of\_cal\_month, end\_of\_fis\_month, calendar\_month\_name, fiscal\_month\_name, calendar\_quarter\_desc, calendar\_quarter\_id, fiscal\_quarter\_desc, fiscal\_quarter\_id, days\_in\_cal\_quarter, days\_in\_fis\_quarter, end\_of\_cal\_quarter, end\_of\_fis\_quarter, calendar\_quarter\_number, fiscal\_quarter\_number, calendar\_year, calendar\_year\_id, fiscal\_year, fiscal\_year\_id, days\_in\_cal\_year, days\_in\_fis\_year, end\_of\_cal\_year, and end\_of\_fis\_year
* Relationships:
  + Column time\_id relates rows of the table times to one or more rows of the table sales with the corresponding value of time\_id.

The countries table has the following attributes:

* Columns: country\_id (primary key), country\_iso\_code, country\_name, country\_subregion, country\_subregion\_id, country\_region, country\_region\_id, country\_total, country\_total\_id, country\_name\_hist
* Relationships:
  + Column country\_id relates rows of the table countries to one or more rows of the table customers with the corresponding value of country\_id.