**Laptop** (*brand\_series\_id, laptop\_model, os id*, laptop\_price, date\_released, image)

From [Laptop].*brand\_series\_id* to [Brand Series].brand\_series\_id

From [Laptop].*laptop\_model* to [Laptop Model].laptop\_model

From [Laptop].*os\_id* to [Operating System].os\_id

**Laptop Brand** (laptop brand id, laptop\_brand\_name)

**Laptop Model** (laptop model, *cpu\_model, gpu\_model*, gpu\_option)

From [Laptop Model].*cpu\_model* to [CPU Model].cpu\_model

From [Laptop Model].*gpu\_model* to [GPU].gpu\_model

**Brand Series** (brand series id, *laptop\_brand\_id*, brand\_series\_name)

From [Brand Series].*laptop\_brand\_id* to [Laptop Brand].laptop\_brand\_id

**Operating System** (os id, os\_name)

**CPU** (*cpu model, cpu brand id*, cpu\_modifier)

**CPU Model** (cpu model*, igpu\_id*, core, thread, cpu\_base\_freq, cpu\_max\_freq, cache)

From [CPU Model].*igpu\_id* to [Integrated GPU].igpu\_id

**CPU Brand** (cpu brand id, cpu\_brand\_name)

**Integrated GPU** (igpu id, igpu\_name)

**GPU** (gpu model, *gpu\_brand\_id*, gpu\_modifier, gpu\_capacity 1, gpu\_capacity\_2, gpu\_bus\_type)

From [GPU].*gpu\_brand\_id* to [GPU Brand].gpu\_brand\_id

**GPU Brand** (gpu brand id, gpu\_brand\_name)

**RAM** (*laptop\_model*, ram\_generation, ram\_capacity, ram\_bus)

From [RAM].*laptop\_model* to [Laptop Model].laptop\_model

**HDD** (*laptop\_model*, hdd\_capacity, rpm)

From [HDD].*laptop\_model* to [Laptop Model].laptop\_model

**SSD** (*laptop model , ssd\_type\_id*, ssd\_capacity)

From [SSD].*laptop\_model* to [Laptop Model].laptop\_model

From [SSD].*ssd\_type\_id* to [SSD Type].ssd\_type\_id

**SSD Type** (ssd type id, ssd\_type\_name)

**Display** (*laptop\_model*, screen\_size, resolution, refresh\_rate)

From [Display].*laptop\_model* to [Laptop Model].laptop\_model

**Battery** (*laptop\_model*, cell, battery\_capacity, power unit)

From [Battery].laptop\_model to [Laptop Model].laptop\_model

*Tables below here will be added into the database in the future:*

**Buying** (bill id, *laptop\_model, cid*, quantity, payment\_date, bill\_price)

From [Buying].*laptop\_model* to [Laptop].laptop\_model

From [Buying].*cid* to [Customers].cid

**Shopping Cart** (cart\_id, *cid, laptop\_model*, quantity)

**Customers** (*cid*)

From [Customers].*cid* to [User Account].uid

**Admin** (*aid*)

From [Admin].*aid* to [User Account].uid

**User Account** (uid, username, password, first\_name, last\_name, account type, email, phone\_number)