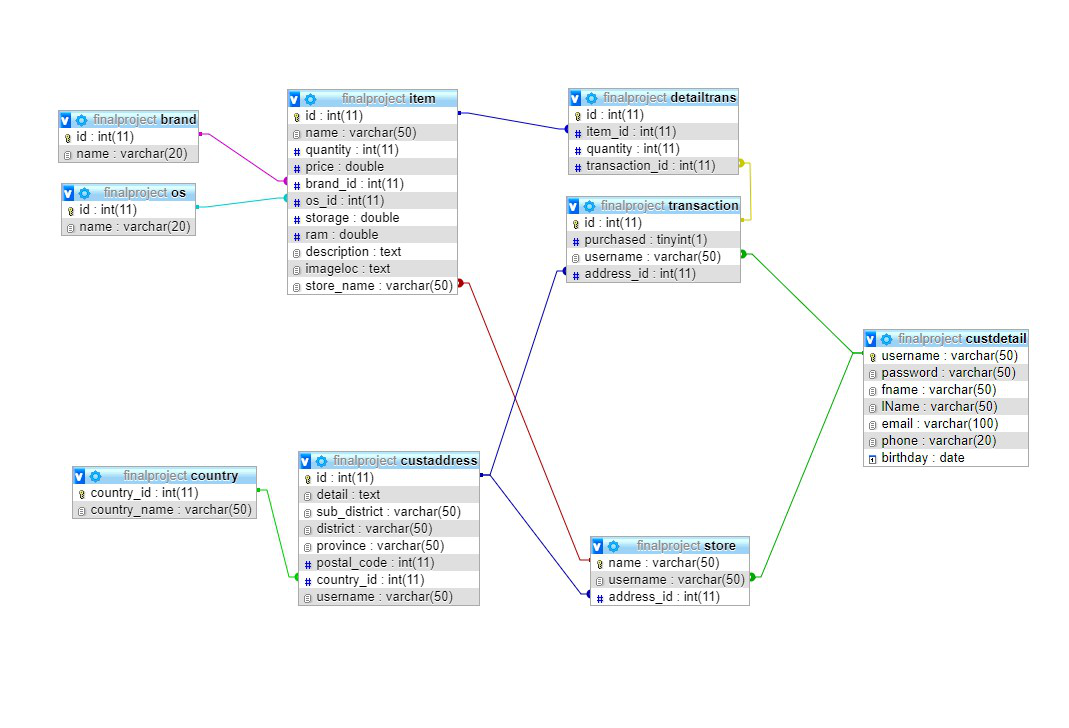
**Database Systems Final Project**

**Mobile Phone Store**

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**Database Entity-Relationship (ER) Model:**

**Relational Schema:**

* **Brand** (ID, name)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT**
* **OS** (ID, Name)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT**
* **Item** (ID, Name, qty, price, Brand\_ID, OS\_ID, storage, RAM, desc, imgloc, storeName)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT  
  FOREIGN KEY** Brand\_ID **REFERENCES** Brand(ID)  
  **FOREIGN KEY** OS\_ID **REFERENCES** OS(ID)  
  **FOREIGN KEY** storeName **REFERENCES** Store(name)
* **DetailTrans** (ID, Item\_ID, qty, Trans\_ID)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT   
  FOREIGN KEY** Item\_ID **REFERENCES** Item(ID)  
  **FOREIGN KEY** Trans\_ID **REFERENCES** Transaction(ID)
* **Transaction** (ID, Purchased, username, address\_ID)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT   
  FOREIGN KEY** username **REFERENCES** CustDetail(username)  
  **FOREIGN KEY** address\_ID **REFERENCES** CustAddress(ID)
* **CustDetail** (username, pass, fName, lName, email, phone, birthday)  
  **PRIMARY KEY** username
* **Store** (name, username, address\_ID)  
  **PRIMARY KEY** name  
  **FOREIGN KEY** address\_ID **REFERENCES** CustAddress(ID)
* **CustAddress** (ID, detail, subDistrict, District, Province, postalCode, countryID, username)  
  **PRIMARY KEY** ID **AUTO\_INCREMENT**  
  **FOREIGN KEY** country\_ID **REFERENCES** Country(countryID)
* **Country** (countryID, countryName)  
  **PRIMARY KEY** countryID **AUTO\_INCREMENT**

**User Manual**