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| **LAB 321 Assignment** | **Type:** | **Long Assignment** |
| **Code:** | **3** |
| **LOC:** | **500** |
| **Slot(s):** | **12** |

**Title:** View category tree

**Background**

**Program Specifications**

Program a web site to view category list as a tree

**Features:**

This website contains following main functions

* Function 1: View category
  + Display root category
  + Display sub categories indent by level of parent category

***Database description***

**Category table**

* Category ID
* Category Name
* Parent ID

Root category have Parent ID = 0

Sub category have parent ID is ID of an existed category

***Expectation of User interface:***

Category tree

Smartphone

* iPhone
* Android phone
* Windows phone
* Blackberry phone

Tablet

* iPad
* Android tablet

Vehicle

* Car
  + Sedan
    - Audi
    - BMW
    - Ford
  + Truck
* Motorbike
  + Honda
  + Yamaha
  + Suzuki
* Cycle

Camera

* DSLR
  + Canon
  + Nikon
* Compact
  + Canon
  + Nikon
  + Sony

**Guidelines**

* Step 1 : Create web layout
* Step 2 : Create prototype
* Step 3 : Design database base on created prototype
* Step 4 : Code & Test