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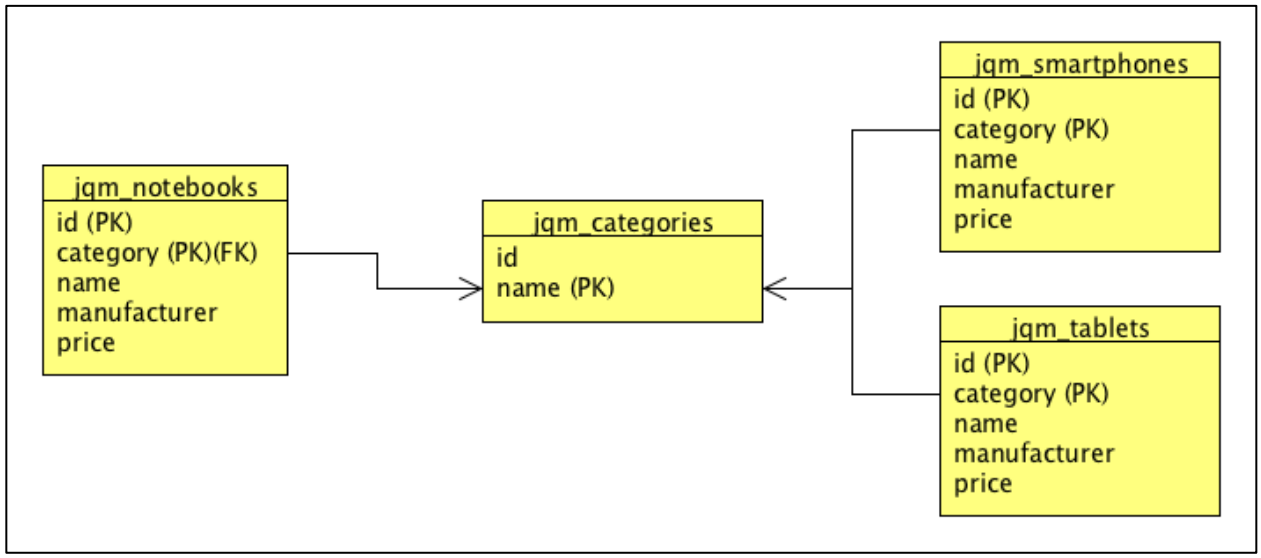
CMPT-350

Objective

The main objective of this application is to gain some experience of mySql and php to create dynamic website/application, which perform the CRUD[1] operation on assigned database. There is actually no purpose behind this application, it just a time killing application, although we can improve it by adding some more information into it and make it useful for storing digital devices and their pictures.

Database



First of all, I know that this database model is really vague but it just for sampling purpose, we're not building any real-world application, where security, data consistency and concurrency is a big deal. So above database model is the really simple model that I could come up with. Also above model interact with any 2 tables at a given time. I could have normalized it and make it into only two tables but then it does not fulfill the assignment requirement so that's the reason why I chose to go with the above model. Now the tables and their detailed description(s):

jqm_categories :

Field	Type	Constraint(s)
id	int	Unique, Not Null
name	varchar(32)	PK[2], Not Null

jqm_notebooks, jqm_smartphones, jqm_tablets :

Field	Type	Consraint(s)

[1] Create, Read, Update, Delete
[2] Primary Key

id	int	PK
category	varchar (32)	PK, FK[3] (jqm_category.name)
name	varchar (32)	
manufacturer	varchar (32)	
price	varchar (32)	

Process of Deployment

1. Creating EC2 instance was covered in lab session so it was straightforward. Once get the instance running it was easy to deploy assignment files to server as Mayra has already showed us how to do that in lecture.
2. I chose to manually install all the required tools to the server instead of using "XAMPP", the instruction for manual installation process can be found here: https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mysql-php-lamp-stack-on-ubuntu
3. Once I manually set my system up, I had to change some permission to get access to "www" folder where my assignment files are going to be. After that I simply used "Filezilla" to upload all my files to the server.
4. To create database for my tables, I used "MySQL Workbench" and ssh to the server.

URL

- Ec2 URL : http://ec2-52-37-76-185.us-west-2.compute.amazonaws.com/350A2/
- Custom URL : http://jatinpatel.space/350A2/

[3] Foreign Key