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| **Summary** |  |
| This homework was created for a company called iCAGES (integrated CAncer GEnome System) Corporation. The goal of company is to sell cancer gene/genome/transcriptome/epigenome sequencing service to cancer patients. It can be accessed at: http://cs-server.usc.edu:11111/hw2/icages/public/index.php | |
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| **How it works** |  |
| Figure 1. General workflow of iCAGES Corporation. Red boxes indicate php scripts that are the backbones of the website. Login.php controls login in for users. Manager/Admin/Sales.php controls different behaviors of different kinds of users. Black boxes indicate php scripts that are the major functions of these different types of users. Add\_\*.php add entries into mysql databases. Update\_\*.php updates entries’ information. View\_\*.php displays entries in the database through search operation. Delete\_\*.php delete entries in the database. Blue boxes are the helper scripts the help get data from mysql database and yellow boxes are other helper scripts that controls logout, timeout and database connection throughout the whole life of the webpage. | Macintosh HD:Users:chengliangdong:Desktop:CSCI571:hw2:doc:figure1.png |
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| **Database Summary** |  |
| I created four tables in database hw2 in mysql, including Product, ProductCategory,SpecialSales and Users. Sql script file for initializing table createDB.sql is also included in the root directory. | |
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| **User Table** |  |
| Table 1. Initial User Table with userid (PK), username, password, usertype, firstname, lastname, age and salary fields. |  |
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| **Product Table** |  |
| Table 2. Initial Product Table with productid (PK), productcategoryid, productname, productdescription and productprice fields. |  |
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| **ProductCategory Table** |  |
| Table 3. Initial ProductCategory Table with productcategoryid (PK), productcategoryname and productdescription fields. |  |
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| **SpecialSales Table** |  |
| Table 4. Initial SpecialSales Table with specialsalesid(PK), productid, startdate, enddate and percentoff fields. |  |
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| **FAQ** |  |
| How AJAX is used in this homework? | Answer: It was used to do autofill in all Update\_\*.php and Delete\_\*.php to enhance user experience so that users can just fill in the id for user/product/productcategory/sales and we will automatically grab the remaining data from the database and fill it in for you. |
| How does timeout work in this homework? | Answer: It was built on $\_SESSION array in php. In the start of the every page, we will check whether or not for this particular user, he/she has exceed 10min staying from login. If so, then logout.php will be evoked. |
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