Bazaar – php example code – part 1 – first thoughts about application

Bazaar app enable management of sell offers from variety of registered clients. Main project focus on database design and implementation, login implemantation with SESSIONS extended with support of COOKIES, maintaining access to scripts along user roles. Our first part of series will explain basic interaction among pages and show page design expectation.

Enumeration of app expectation

Our Bazaar app will enable manage listenings for sell of used things. Functionality must be limited for registered users and some of management capability can be available only for admin user.

During process of preparation we expanded our first thoughts and adding new fatures as item cart or user roles.

Requirements for our app:

- unregistered user must be able view all sell listenings on index.php page
- list of items for sell must display last 5 products and user must be able select interesting category from drop-down menu
- for all items must be available closer look page with

further display and link to buy

- only registered users can add itmes to a cart – for cart management we use column cart_number. If cart number is 0, item is available for buy. If this number is changed to users_id then item is not displayed anymore and is added into a cart of user (there is some dificulty, how to after some time release listening and reset number to 0 after some expiration period)
- application will demonstrate mechanism for sinup user with login functionality
- for user login persistency combination of SESSION with COOKIES mechanism will be used
- on admin page and editprofile page is shown different content for loged in or unloged user
- user can signin into a common user role with signup form
- only admin has granted full access to admin page
- registered user can add item to sell listening, but item is displayed only after admin approval of content
- admin can manage categories available on bazaar portal

Block diagram of main page scripts

Next picture show names of main page scripts and flow during user work. Some pages/ scripts will be added next in development process for support of new important functionality. This solution depicts traditional, procedural approach for developmnet of PHP aplications.
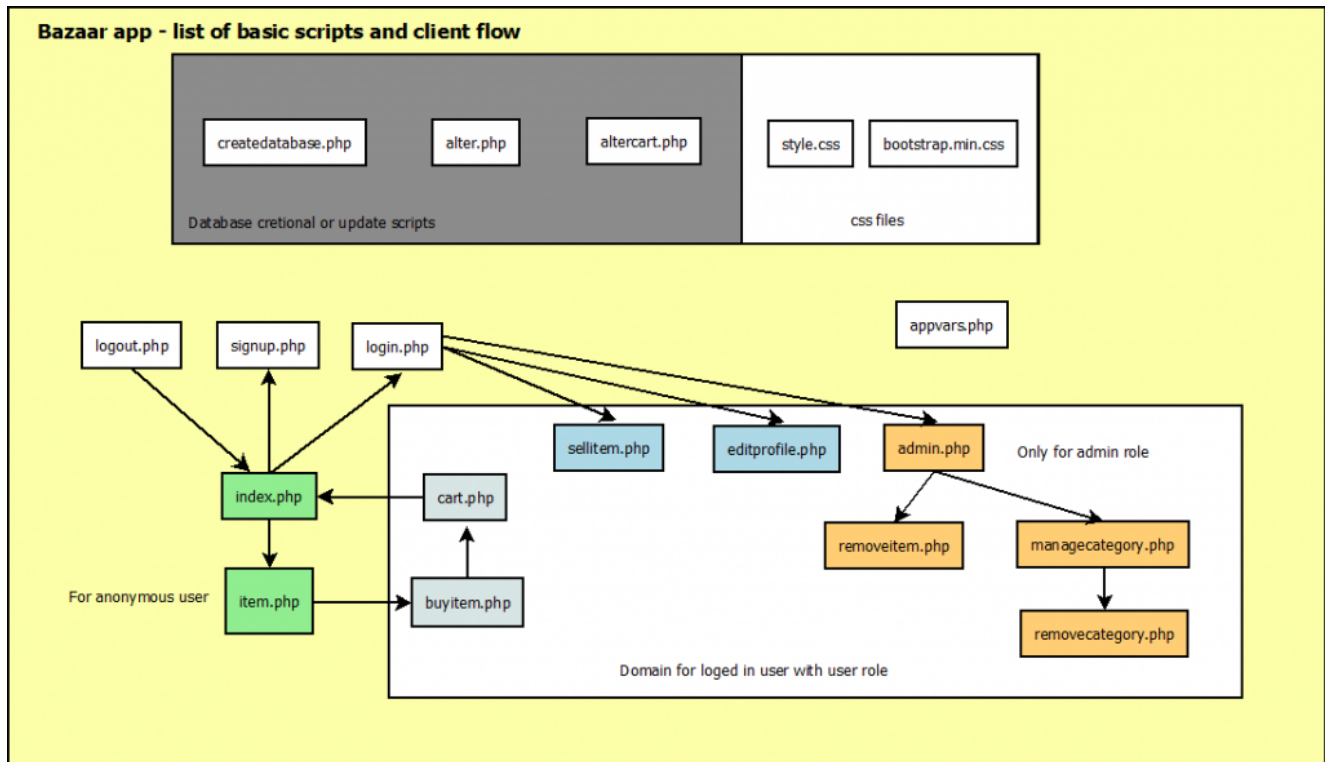
Bazaar app – block diagram of main page scripts

Code scripts can be separated into a three main category: 1 – database creatonal scripts with further database altering scripts, 2 – cascade styles scrypts and 3 – main page scripts.

Description some of them:

createdatabase.php – main script for creating three database table for category, item and user data persistency.

alter.php and altercart.php – minor updates and addins into a existing database table. Up to a time of preapartion of this article user_role to bazaar_user table was added and cart_number in bazaar_item was added for support of user cart functionality.

index,php – main page with signup, login and logout functionality. Display will differ for unloged and loged in user. man contentent of the page are two table outputs os

listened items for sell. persistent display show 5 latest listenings. Uper part enable select form dropdown menu category of interest for appropriate user and next show all listed items. Further improvement will be pagination of results.

login.php, logout.php and **signup.php** – all these scripts suport access management into a content of the page. Unregistered user must sign up with unique e-mail and name. Some of important data can be added itno a database next with editprofile.php script.

item.php and **buyitem.php** – all items listened on main index page have link leading into a item.php page. from GET data is obtained item_id that select form database all information provided to listed item. On item.php page is ling into a buyitem.php page. This page is avalable only for registred user and enable change cart_number data from 0 to users_id of appropriate user. This way we mark listed item as added into a user cart for further buy fullfilment (this option must be discused next, at time of writting tis article is not in a final stage).

cart.php – (on progress) – show all items marked with apropriate users_id of the loged user and show total price for all listened items. This page is a way for fullfil buy process and send info to site admin/ seller to arrange all important things for correct buy/sell process. (This part need further improvement of functionality, because to sell listening user must be marked in bazaar_item table with their users_id).

sellitem.php – enable add ifnfo about selled product.

editprofile.php – any further information about registered user is contained in this part of page.

admin.php with **removeitem.php** and **managecategory.php** and **removecategory.php** – access to this pages is enabled only for admin role of the user. This part enable change state of

published boolean filed from 0 to 1 for display item to sell. All page categories can be managed through these gages.

appvars.php — central page with all important constants included on top part of pages in any other scripts.

Showcase of frontend and backend for bazaar app

This part show visual look of appropriate pages in state of time whne this article will be written. Further improvements will be added in next weeks during development and testing process.

* Select category-subcategory of product for salle: | please select |

If no proper category-subcategory exist, please contact admin of the pages for creation them for you.

| SHOW ME INTERESTING THINGS! | | RESET FORM |

List of items in selected category: books / computer

Name	Price	Category	Screenshot1	More Info
Head first Programming + HTML and CSS	57.50 €	books/computer		>> Visit item page
Head first Java	43.20 €	books/computer		>> Visit item page

Latest added items for you!

Name	Price	Category	Screenshot1	More Info
Analyse for e-commerce	350 €	web/e_shop		>> Visit item page
Garden scisors - green small	7.50 €	garden/scisors		>> Visit item page

Frontend of the index.php bazaar page

Next photogallery shows additional page designs and dialog outputs for further reference what to expect from the project.

In this part you can select your profile avatar.

*Please select location of your avatar from drive - max 5MB!

Screenshot1 - required   Browse

Profile text - plese provide some description for your profile if will.
This part can provide further description for created use

Profile updated successfuly. PASSWORD changed successfuly.

Your registered with these credentials. They cannot be changed, only way how to obtain new is deleting account asking page admin and create new one:

User ID:

10

User name:

admin

E-mail:

admin@admin.sk

Further user data data:

*Nickname:

admin

First name:

Firstname2

Last name:

Lastname

Adress in form - Street Nr.:

Street 678

City:

City 17

ZIP code in form XXXXX:

00002

Unauthorized - please Log In

For further profile editing please log in here.

Visit us on CDesigner.eu

Bazaar - best items for a best prices!   Edit profile   Logout admin

Logout to user submenu.

* Select category subcategory of product for sailor.
If no proper category subcategory exist, please contact admin of the page to creation them for you.

Latest added items for you!

items	Price	category	Screenshot1	More info
Landmark photo	50 €	garden scisors		> Visit item page

Incorrect username or password. Login denied!

Log In
Username:

Please reenter

Password:

···········

LOG IN

Visit us on CDesigner.eu

Log In
Username:

Login name

Password:

··········

LOG IN

Visit us on CDesigner.eu

Bazaar - Login page

You are loged in as Joe!

If you will logout or login with another credentials, please first logout.

.eu

Your new account has been created successfully. You are now ready to log in

Please register for Bazaar membership
Username:

admin

e-mail:

admin@gmail.com

Password:

Password:

submit

Visit us on CDesigner.eu

Bazar category manager - part for Bazaar category management
→ return to main shop page

Confirmation of deletion selected category removal.

Are you sure to delete the next category item from bazaar?
subcategory_id: 6
Category: none
Subcategory: net

☐ Yes ☐ No

SUBMIT

Bazaar - management of selling category

New category/subcategory successfully added into a bazaar_category table.

Bazaar - adding item for sell

New item Head first series for 49 € succesfully added to sell item - waiting for admin approval.

* Please provide name of selling item:

Head first series

* Please provide price for item in €:

49

* Select main category-subcategory for proper item listing on bazar pages:

If no proper category-subcategory exist, please contact admin of the pages for creation them for you.

In this part you can select upto 3 pictures of the product. First picture is required!

* Please select location of your score screenshot from drive - max 5MB!

Screenshot1 - required:	Browse
Screenshot2 - optional:	Browse
Screenshot3 - optional:	Browse

* Item description:

Please provide description of selling item ...

Bazaar - adding item for sell

* Please provide name of selling item:

Head first series

* Please provide price for item in €:

49

* Select main category-subcategory for proper item listing on bazar pages:

books-computer

If no proper category-subcategory exist, please contact admin of the pages for creation them for you.

In this part you can select upto 3 pictures of the product. First picture is required!

* Please select location of your score screenshot from drive - max 5MB!

C:\fakepath\Verify.png	Browse
C:\fakepath\Untitled.png	Browse
Screenshot3 - optional:	Browse

* Item description:

We ofer to salle serios of used books in good quality.

ADD ITEM FOR SELL   RESET FORM   RESET FORM

Chart of benchmark results

id	Name	Price	Category	Screenshot1
8	Books for sale	150	24	
7	Books for sale	155	24	

Processing database tables for bazaar app.

PHP code for automation of preparation database tables for bazaar app.

Version 1.0 Date: 13-10-2020 by O.Dostupov inc.

Table 1 - bazaar_user created successfully.

Table 2 - bazaar_item created successfully.

Table 3 - bazaar_category created successfully - as last table because foreign key references

* Select category-subcategory of product for sells: [please select]

If no proper category-subcategory exist, please contact admin of the pages for creation them for you.
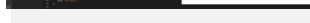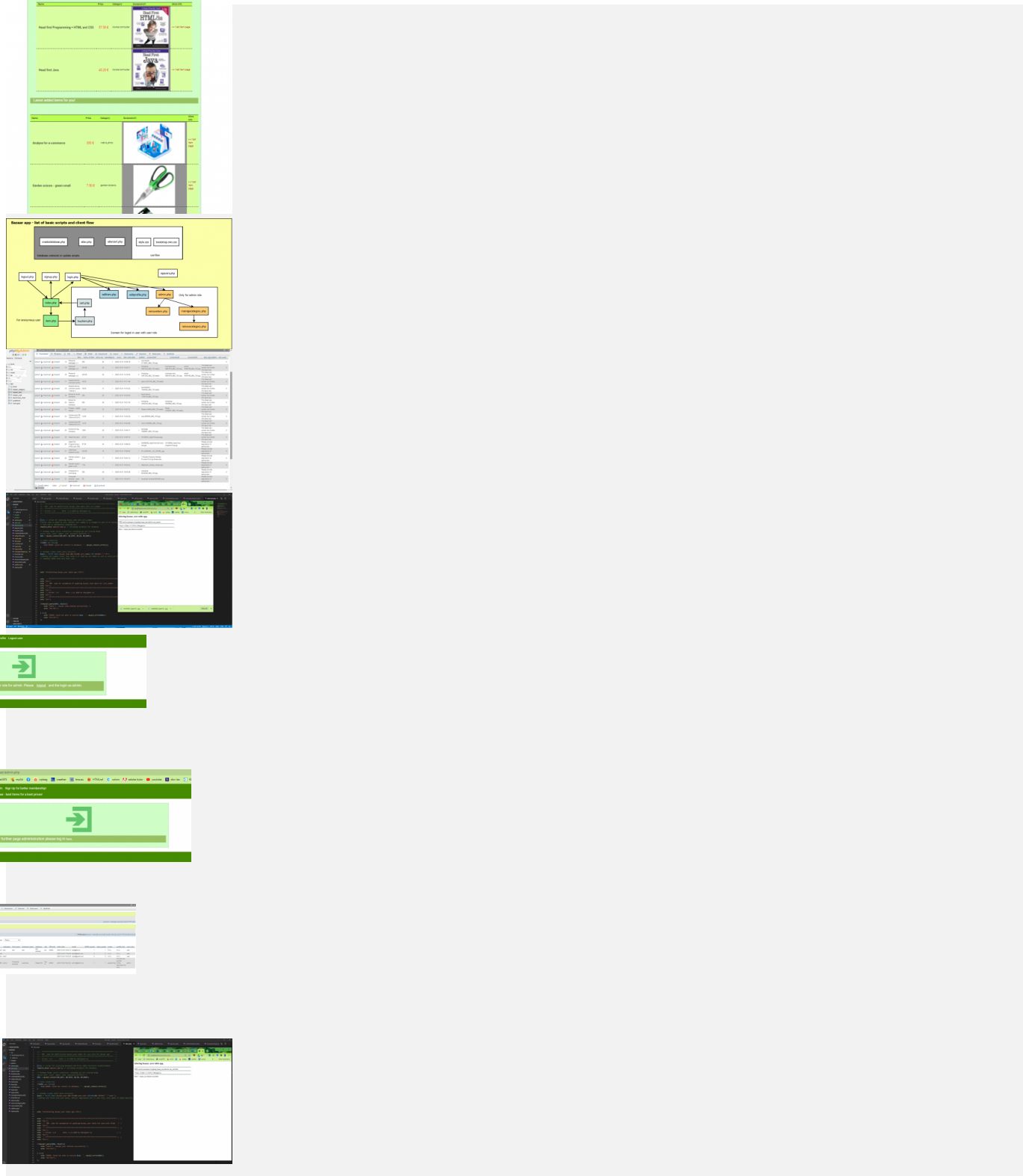
[SHOW ME INTERESTING THINGS!]   [RESET FORM]

List of items in selected category: books / computer

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Conclusion and source code

In our first article focused on bazaar app page we make basic fundation about main page script and their interactions. During proces of description arrisen some new questions about ways how to extend functionality to fullfil requirements for working portal enabling selling and buying used goods from common users.

Ful code of the projects in as is state can be obtained from github here.