

# Accepting Bids on Web application programming Development contract

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2006-01/msg02643.html>

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- *From:* "fbsd\_user" <[fbsd\\_user@xxxxxxxxxxxxxxxxx](mailto:fbsd_user@xxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 31 Jan 2006 12:04:32 -0500
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To all interested parties;

I am accepting bids on a Web application programming Development project.

Bids are open to any developer any where in the world.

Bid closing date is February 8 2006.

Work is to be done at your location and using your equipment.

Please provide your quote in USA dollars and include elapsed time table targets in weeks.

The attached txt file contains the specs in case your email reader has made the following hard to read because of line wrap around.

Real Estate Multipliable Listing Service Web application.

General Specs.

Run using FreeBSD 6.0 / apache 1.3.33\_2 / php 5.1.2 / mysql 5.0.18

The membership info and the real estate info will be separate databases in MySQL.

Estimated the sizes at 5000 members and 25000 real estate properties.

All web pages will use same template so user sees same page header and trailer

and background color.

Header contains name of Business with line of clickable menu options.

Footer will contain copyright statement & icons for powered by FreeBSD, apache, php.

All php code will be commented in English. There can never be too many comments,

the more the better.

All php code will be written in an expanded manner for easy of reading.

Each php function and (if statement will have comments describing what it does)

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All php variables will be descriptive words of content or use in English

All html post forms data fields will use English words.

Source code will be reviewed by customer for compliance to above general standards.

Project will be divided in to phases by application functions and customer acceptance

testing before payment. Completed source code will be sent to customer as pzip or tar

file attached to email. Yahoo chat will be used for live project meeting to discuss

problems or changes to project specs.

Directory path location to mysql databases will be global variable which is part of include.

Directory path to .php files is php global variable (DOCUMENT\_ROOT) which is part of include.

Get the user ip address from the php global variable (REMOTE\_ADDR) which is part of include.

Access to real estate record in mysql database must be set up is such a way that a URL

can be created to display the info. Customer needs URL for inclusion in newspaper media

advertising so interest persons can enter that URL in their browser and retrieve the information.

Home page named index.php

Have visitor counter which shows count just about footer.

Content will be provided later.

Will have links to these functions

Register customer function. (seller, or agent, or broker)

Register buyer for online auction bidding

Register email notify robot agent. (user enters city or zip code and when any

real estate gets lists in their interest area a html

email with pictures

Register for opt/in emailing for sales info from advertisers offering mortgages,

pre-quailing buyers, real estate

lawyers/brokers/agents/appraisers Ect.

Registered user login to edit their content (called maintenance function).

Search function (City name search, price range search, zip code search)

Display real estate on auction block.

Contact function– email website sales dept with general questions

FAQ function– simple html page containing all the questions as

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links to jump deeper into page where answer details are. Content provided later.  
Product detail page. simple html page containing all the products as links to jump deeper into page where details are. Content provided later.

Register function common specs

All register sign up functions will use the same basic form and the data will

be saved in mysql database.

A hidden flag field will be used to distinguish between what type of register it is.

Customer (Seller or agent or broker)

Opt/in to receive advertisings

Notifications robot

Online auction bidder

Privacy statement about use of data entered.

Common Info to capture = first name, last name, address line1 & line2, city, state/province, zip code.

Valid email address which will trigger a standard email to person which he

has to reply to confirm email is valid. When conformation is received, the

registered persons database record gets auto updated to authorize user access.

As security measure a little box with generated password in it has to be

entered into empty box as tool to stop script kiddies automatically creating

registered users in effort to dos (deny of service) by filling up all the disk space.

The Register's IP address will be saved with the data base record.

The date in yyyyymmdd will be saved with the data base record.

Register Customer (Seller or agent or broker) function.

[[background info] This group will be allowed to create a real estate record

describing the property in detail after email conformation is successful.

They will have to login using maintenance function to load the data or to

edit the data. This real estate record will be in separate database.]

Additional data to collect = home phone number, work phone number, cell

phone number, agent/broker license number, Login user ID

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alphanumeric 8  
positions & password, size minimum 6 positions, maximum 10  
positions.  
Have to inquire membership database to verify entered ID is  
not used already.  
Password will be written in encrypted form.

Display scroll box containing usage Agreement/contract with radio  
button for  
agree or decline. If no agree then do not register. Content  
provided later.  
Make this content as included php function so the contents  
can be easily  
changed at any time.

Register Opt/in to receive advertisings  
Display scroll box containing Opt/in Agreement/contract with radio  
button  
for agree or decline. If no agree then do not register.  
Content provided later.  
Make this content as included php function so the contents  
can be easily  
changed at any time.  
Set flag to identify this user as opt/in advertising user.  
Append record to flat text file containing email address and first  
& last  
name to feed opt/in software.

Register Notifications robot  
Capture notification values (City name, price range, zip  
code)  
Set flag to identify this user as Notifications robot user.

Register Online auction bidder  
Display scroll box containing Online auction bidder  
Agreement/contract with  
radio button for agree or decline. If no agree then do not  
register.  
Content provided later. Make this content as included php  
function so the  
contents can be easily changed at any time.  
Set flag to identify this user as Online auction bidder user.

Registered user login  
Maintenance function to delete or change the content of there  
membership  
database record and or their real estate database record.

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User entered login ID & password has to match what is on file.  
Login screen must have same security measure as register screen

If user is Opt/in or Notification can only delete or edit contents of their membership record.

If user is auction bidder. This is handled pretty much the same way as the search by city function, but this time you search the real estate record database for the auction field = yes. Results is an list array. Each line containing thumbnail picture if there is picture with that real estate record and street address and starting bid price and current bid price with date /time it was make. Clicking on any line will launch screen showing full real estate data record. The user can enter his bid price which is saved in the real estate record along with his user id. After the bid price is updated in the database a email is sent to the registered owner of that property telling them a bid has been offered and the bid price.

If user is Seller or agent or broker they get 2 options.  
Every time user login, update the last logged in date and time fields in their membership record.  
Option 1 = delete or edit contents of their membership record. Deleting membership record forces the delete of all associated real estate database records.  
When user selects delete, reply with message are you sure you want to do this, then delete.  
Option 2 = delete or edit contents of their real estate database records.  
Seller is allowed only 1 real estate record.  
Agent/broker have no limit on number of real estate records. Each real estate record will be issued a unique record number starting at 3525000. Member id + record number is key to fetch record.  
If no record then show empty form for user to fill in.  
Data to capture = property address, county/province title/parcel number,

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date added in yyyy/mm/dd, total sq ft, lot dimension, year built in yyyy/mm/dd, about another 30 data fields to be provided later. Option to include max of 5 jpg pictures which is stored as part of the real estate record. Provide function to browse user pc for jpg file location and download jpg file for addition to real estate record . One picture must be identified as primary display picture to be displayed with real estate record data. Other pictures can be seen by user clicking of picture icon which is part of the displayed real estate screen.

Option 3. display activity counter for each read real estate record.

Results is an list array. Each line containing thumbnail picture if there is picture with that real estate record and street address and price and count of how many times this was viewed.

There is an special unrestricted Admin user named "Boss" with password of "robert7734".

There is no membership record for this user. This is hard coded into php included variables. Only the owner/webmaster will have access to the servers raw .php data file to manually edit these values. Some admin function will be added later in the development.

Admin Option 1. enter user id to select membership record display all membership record fields including user type flags, creation date, last logged on date and time, include ability to display real estate records. Delete or change content of displayed real estate records or Delete or change content of displayed membership record.

Admin Option 2. See what is needed during development.

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Search function (City name search, price range search, zip code search).

Any visitor to web site can search database for properties.

Results is an list array. Each line containing thumbnail picture if there is picture with that real estate record and street address and price. Clicking on any line will launch screen showing full real estate data record. From detail screen clicking on browser back button will return to search results screen.

Search options = show all records matching city, or show all records matching zip code, or show all records matching city and price range, or show all records matching zip code and price range.

Any time the detail real estate record is shown add one to the viewed counter in the record. See [www.realtor.com](http://www.realtor.com) for example of what I am talking about.

Display real estate on auction block.

This is handled pretty much the same way as the above search by city function, but this time you search the real estate record database for the auction field = yes.

Results is an list array. Each line containing thumbnail picture if there is picture with that real estate record and street address and starting bid price. Clicking on any line will launch screen showing full real estate data record. >>From detail screen clicking on back record will return to search results screen.

Offline functions.

1. Provide file containing mysql definition statements.
2. Provide command line php script to do mysql backup of each database used in application.
3. Provide command line php script to do mysql restore of each database used in application.
4. Provide command line sh shell script to do an tar dump with compression of each database.
5. Provide command line sh shell script to do an tar restore with uncompress of each database.
6. Provide command line php script to roll through the membership

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database selection all the opt/in members and sent them a email with message built from text content contained in flat file.

7. Provide command line php script to roll through the membership database selecting all the seller/agent/brokers members who have not logged in, in the past 90 days and sent them a email with message built from text content contained in flat file. Set the valid email flag so they have to reply to the email to confirm their email is active and working.

8. Provide command line php script to roll through the membership database selecting all the seller/agent/brokers members. For each one access their real estate records to get number times viewed and sent them a email with message built from text content contained in flat file showing how many times each property was viewed since added.

General design thoughts.

The use of 2 mysql databases is not cast in concrete. Willing to listen to your recommendations.

Open to your recommendations on how best to configure environment to result in simple URL to point to individual real estate property web page. `www.nnnnnnnnnn.sitedomainname.com` where `nnnnnnnnnn` is the real estate record number without using dns, or `www.sitedomainname.com/aliasname/nnnnnnnn`.

If after reading my specifications you have any recommendations or coding standards or ideas to make things easier or processing faster, I am willing to discuss them.

Phase one includes index.php and Register Customer (Seller or agent or broker) function, and Registered user login for seller,agent/broker maintenance function. 1/4 of project cost payable on customer testing and approval.

Phase two all other registration functions and their maintenance function. 1/8 of project cost payable on customer testing and approval.

Phase three all the search functions and auction function. 1/8 of project cost payable on customer testing and approval.

Phase four all remaining functions and offline functions delivered by target deliver date. 1/8 of project cost payable on customer testing and approval.

1/8 of project cost payable on customer testing and approval after

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60 days of application stress testing and the fixing of any bugs that come to light.

Final 1/4 of project cost payable on customer accepting complete system as bug free.

All payment will be in USA dollars by check mailed to your post office mailing address.

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Estimated the sizes at 5000 members and 25000 real estate properties.  
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Header contains name of Business with line of clickable menu options.  
Footer will contain copyright statement & icons for powered by FreeBSD, apache, php.  
All php code will be commented in English. There can never be too many comments, the more the better.  
All php code will be written in an expanded manner for easy of reading.  
Each php function and (if statement will have comments describing what it does)  
All php variables will be descriptive words of content or use in English  
All html post forms data fields will use English words.  
Source code will be reviewed by customer for compliance to above general standards.  
Project will be divided into phases by application functions and customer acceptance  
Directory path location to mysql databases will be global variable which is part of  
Directory path to .php files is php global variable (DOCUMENT\_ROOT) which is part of  
Get the user ip address from the php global variable (REMOTE\_ADDR) which is part of  
Access to real estate record in mysql database must be set up in such a way that a URL

Home page named index.php

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Register for opt/in emailing for sales info from advertisers offering mortgages,

Registered user login to edit their content (called maintenance function).

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Register Customer (Seller or agent or broker) function.

[[background info] This group will be allowed to create a real estate record describing the property in detail after email conformation is successful. They will have to login using maintenance function to load the data or to edit the data. This real estate record will be in separate database.]

Additional data to collect = home phone number, work phone number, cell phone number, agent/broker license number, Login user ID alphanumeric 8 positions & password, size minimum 6 positions, maximum 10 positions. Have to inquire membership database to verify entered ID is not used already. Password will be written in encrypted form.

Display scroll box containing usage Agreement/contract with radio button for agree or decline. If no agree then do not register. Content provided later. Make this content as included php function so the contents can be easily changed at any time.

Register Opt/in to receive advertisings

Display scroll box containing Opt/in Agreement/contract with radio button for agree or decline. If no agree then do not register. Content provided later. Make this content as included php function so the contents can be easily changed at any time.  
Set flag to identify this user as opt/in advertising user.  
Append record to flat text file containing email address and first & last name to feed opt/in software.

Register Notifications robot

Capture notification values (City name, price range, zip code)  
Set flag to identify this user as Notifications robot user.

Register Online auction bidder

Display scroll box containing Online auction bidder Agreement/contract with radio button for agree or decline. If no agree then do not register. Content provided later. Make this content as included php function so the contents can be easily changed at any time.  
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Registered user login

Maintenance function to delete or change the content of there membership database record and or their real estate database record.  
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6. Provide command line php script to roll through the membership database selection all the
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Final 1/4 of project cost payable on customer accepting complete system as bug free.

All payment will be in USA dollars by check mailed to your post office mailing address.

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freebsd-questions@xxxxxxxxxxxxx mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-questions>

To unsubscribe, send any mail to "freebsd-questions-unsubscribe@xxxxxxxxxxxxx"