

1 Group Database PHP workflow

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3 The Linux side of the CS Lab machines is setup exactly as the Virtual  
4 Box images in Scott. You have access to /srv/www/htdocs/php/PUNETID/  
5 and there is a webserver running on the machine locally.

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7 To work on your PHP code on the CS Lab machine, put your code in  
8 /srv/www/htdocs/php/PUNETID/, build an SSH Tunnel like we did in Scott,  
9 and have your PHP code connect to 127.0.0.1 A web browser on the CS Lab  
10 machine should then be able to connect to  
11 <http://localhost/php/PUNETID/file.php>

12

13 Each group member will need their own copy of the PHP code, shared via  
14 your GitLab repository, installed on their own CS Lab machine.

15

16 The following slides from earlier in the semester briefly outline how to  
17 build a PHP project in CodeLite, share the code from your home directory  
18 to the /srv/www/htdocs/php/PUNETID/ directory above, and setup the  
19 debugger.

20

21 <http://zeus.cs.pacificu.edu/chadd/cs445f17/Lectures/CodeLite.pdf#page=8>

22

23 The WORK FLOW on the next page will allow one team member to setup the  
24 project in CodeLite and push it to Git. The other two team members will  
25 need to pull down the project from Git. The two workflows below are  
26 nearly identical.

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28 If you want a Virtual Box Image that matches the Scott Lab image to put  
29 on your own laptop or desktop, stop by my office (this is the same image  
30 we gave out to the CS 300 students).

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54 WORK FLOW FOR FIRST TEAM MEMBER TO CREATE THE PHP PROJECT:
55 NOTE: THIS WORK FLOW ONLY HAPPENS ONCE
56
57 cd ~
58 mkdir CS445_GP
59 cd CS445_GP
60 git clone git@gitlab.com:PUNETID/group_proj_test.git
61 cd group_proj_test
62 mkdir PHP
63
64 CodeLite
65 New Workspace
66 PHP
67 Name: GroupProject_#
68 Path: /home/PUNETID/CS445_GP/
69 UNCHECK Create a project..
70 UNCHECK Create the workspace in a separate directory
71 YOU SHOULD SEE THE FOLLOWING PATH IN THE DIALOG BOX (you might need to
72         check and uncheck the above box to
73         get this to update):
74 /home/PUNETID/CS445_GP/GroupProject_#.workspace
75
76 File | New Project | Create an empty PHP project
77 Project Name: GroupProject_#
78 Project Path: /home/PUNETID/CS445_GP/group_proj_test/PHP
79 Next
80 Next
81 Finish
82
83 Follow the slides here to:
84 http://zeus.cs.pacificu.edu/chadd/cs445f17/Lectures/CodeLite.pdf#page=8
85
86 Workflow: setup remote dir
87     SFTP (tab in explorer)
88     Folder with Person Icon
89     Add
90     Account Name: localweb
91     Host/IP: 127.0.0.1
92     Port: 22
93     Username: Punetid
94     Password: ***** (Linux password)
95     Default folder:
96     Test Connection
97     OK
98
99     Workspace Tab | "Camera icon" | Account: localweb
100     PATH: /srv/www/htdocs/php/PUNETID
101
102 Workflow: Debug a web page
103
104     Workspace | Gear Icon | Debug
105     Right Click in White Box | New
106
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107     For example:
108         Local Folder: /home/PUNETID/CS445_GP/group_proj_test/PHP
109         Remote Folder: /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
110
111     Add one connDB.php file to the project (just so the project contains a file).
112
113     cd ~/CS445_GP/group_proj_test
114     git add PHP
115     git commit -m "created PHP Project"
116     git push origin master
117     cd PHP
118     git update-index --assume-unchanged GroupProject_0.phprj
119
120     chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
121     chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test
122
123     You can now git add/git commit/git push origin master from the command
124     line or from inside CodeLite.
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161 WORK FLOW FOR SECOND AND THIRD TEAM MEMBER TO GET THE PHP PROJECT:
162 NOTE: THIS WORK FLOW HAPPENS ONCE PER COMPUTER EACH TEAM MEMBER WORKS ON!
163
164 cd ~
165 mkdir CS445_GP
166 cd CS445_GP
167 git clone git@gitlab.com:PUNETID/group_proj_test.git
168 cd group_proj_test
169 # PHP Directory should already exist
170
171 CodeLite
172 New Workspace
173 PHP
174 Name: GroupProject_#
175 Path: /home/PUNETID/CS445_GP/
176 UNCHECK Create a project..
177 UNCHECK Create the workspace in a separate directory
178 YOU SHOULD SEE THE FOLLOWING PATH IN THE DIALOG BOX (you might need to
179         check and uncheck the above box to
180         get this to update):
181 /home/PUNETID/CS445_GP/GroupProject_#.workspace
182
183 File | New Project
184 Create an empty PHP project
185 Project Name: GroupProject_#
186 Project Path: /home/PUNETID/CS445_GP/group_proj_test/PHP
187 Next
188 Next
189 Finish
190
191 The project should auto-populate with existing PHP files.
192
193 Follow the slides here to:
194 http://zeus.cs.pacificu.edu/chadd/cs445f17/Lectures/CodeLite.pdf#page=8
195
196 Workflow: setup remote dir
197     SFTP (tab in explorer)
198     Folder with Person Icon
199     Add
200     Account Name: localweb
201     Host/IP: 127.0.0.1
202     Port: 22
203     Username: Punetid
204     Password: ***** (Linux password)
205     Default folder:
206     Test Connection
207     OK
208
209     Workspace Tab | "Camera icon" | Account: localweb
210     PATH: /srv/www/htdocs/php/PUNETID
211
212 Workflow: Debug a web page
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213
214     Workspace | Gear Icon | Debug
215     Right Click in White Box | New
216
217     For example:
218         Local Folder: /home/PUNETID/CS445_GP/group_proj_test/PHP
219         Remote Folder: /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
220
221
222     cd ~/CS445_GP/group_proj_test/PHP
223     git update-index --assume-unchanged GroupProject_0.phprj
224
225     chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
226     chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test
227
228     You can now git add/git commit/git push origin master from the command
229     line or from inside CodeLite.
230
231
232     OTHER POINTERS:
233
234     Your workspace (GroupProject_#.workspace) should not be in Git,
235     only the Project.
236
237     Right click the project name and choose "Sync project with file system"
238     to add files to your project that were added to Git by another teammember
239     (if the files don't show up automatically).
240
241     You can edit the file GroupProject_#.phprj in Geany (with CodeLite closed)
242     to add *.sql to the list of file types in m_importFileSpec so SQL files
243     will show up in your project.
244
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