

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 Workflow: setup remote dir (share files directly to
86         /srv/www/htdocs/php/PUNETID/)
87 Workflow: Debug a web page
88 changing the directory paths as necessary.
89 For example:
90 Local Folder: /home/PUNETID/CS445_GP/group_proj_test/PHP
91 Remote Folder: /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
92
93 Add one connDB.php file to the project (just so the project contains a file).
94
95 cd ~/CS445_GP/group_proj_test
96 git add PHP
97 git commit -m "created PHP Project"
98 git push origin master
99 cd PHP
100 git update-index --assume-unchanged GroupProject_0.phprj
101
102 chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
103 chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test
104
105 You can now git add/git commit/git push origin master from the command
106 line or from inside CodeLite.
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108 WORK FLOW FOR SECOND AND THIRD TEAM MEMBER TO GET THE PHP PROJECT:
109 NOTE: THIS WORK FLOW HAPPENS ONCE PER COMPUTER EACH TEAM MEMBER WORKS ON!
110
111 cd ~
112 mkdir CS445_GP
113 cd CS445_GP
114 git clone git@gitlab.com:PUNETID/group_proj_test.git
115 cd group_proj_test
116 # PHP Directory should already exist
117
118 CodeLite
119 New Workspace
120 PHP
121 Name: GroupProject_#
122 Path: /home/PUNETID/CS445_GP/
123 UNCHECK Create a project..
124 UNCHECK Create the workspace in a separate directory
125 YOU SHOULD SEE THE FOLLOWING PATH IN THE DIALOG BOX (you might need to
126         check and uncheck the above box to
127         get this to update):
128 /home/PUNETID/CS445_GP/GroupProject_#.workspace
129
130 File | New Project
131 Create an empty PHP project
132 Project Name: GroupProject_#
133 Project Path: /home/PUNETID/CS445_GP/group_proj_test/PHP
134 Next
135 Next
136 Finish
137
138 The project should auto-populate with existing PHP files.
139
140 Follow the slides here to:
141 http://zeus.cs.pacificu.edu/chadd/cs445f17/Lectures/CodeLite.pdf#page=8
142 Workflow: setup remote dir (share files directly to
143         /srv/www/htdocs/php/PUNETID/)
144 Workflow: Debug a web page
145 changing the directory paths as necessary.
146 For example:
147 Local Folder: /home/PUNETID/CS445_GP/group_proj_test/PHP
148 Remote Folder: /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
149
150 cd ~/CS445_GP/group_proj_test/PHP
151 git update-index --assume-unchanged GroupProject_0.phprj
152
153 chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test/PHP
154 chmod o+rx /srv/www/htdocs/php/PUNETID/group_proj_test
155
156 You can now git add/git commit/git push origin master from the command
157 line or from inside CodeLite.
158
159
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160 OTHER POINTERS:
161
162 Your workspace (GroupProject_#.workspace) should not be in Git,
163 only the Project.
164
165 Right click the project name and choose "Sync project with file system"
166 to add files to your project that were added to Git by another teammember
167 (if the files don't show up automatically).
168
169 You can edit the file GroupProject_#.phprj in Geany (with CodeLite closed)
170 to add *.sql to the list of file types in m_importFileSpec so SQL files
171 will show up in your project.
172