

Features of Test Project

- Handling adjacency tree model according to the test requirement with typical tree UI
 - Creating the new task using popup form and context menu
 - o Renaming the title of task using the context menu
 - Changing the position of task node using drag & drop handling
 - Updating the status of relationship among tree nodes
 - Listing a hierarchical tree from the flat data in the relational database
- Updating automatically the tree among all of clients via push command (This is optional.)
- Searching for specific tree nodes on the client side

Frameworks

- PHP v5.6
- jsTree v3.3
- JQuery 2.1, JQuery ui 1.12
- MySQL 5.6 (InnoDB Version)
- WebSocket for push command

Tools

- NetBeans IDE
- HeidiSQL
- Fiddler
- XAMPP

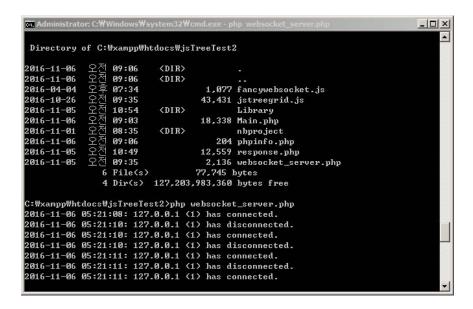
Database Structure

Limitations

- This project need to be optimized and implemented only based on basic concepts.
- The pagination was not implemented.
- The modern MVC framework was not applied such as CakePHP or Symfony.
- The unit testing framework such as PHPUnit was not applied at this time.
- The query and protocols are not optimized for this time.
- You can test and operate this project only on your local machine, since this was tested only on my local machine.

Tips

- First of all, run the websocket_server.php
 - a. On the command prompt, type and run "php web socket.php".
 - b. This is to use the real time push updating operation.
 - c. Without running this, this can be run with manual updating among multiple clients.



Run more than one client browsers(Main.php) in order to test broadcasted command.

