

Setup Documentation

The following section contains a setup guide for the discourse analysis project. This guide provides information regarding the following software used to assist in the development of this project: XAMPP, GitHub (optional), and Netbeans.

XAMPP

a. Description

- XAMPP is a program that allows one's computer to act as a server. This means that you can execute server-side files (such as PHP files) on your own computer for testing.

b. Installation and Setup

- You can download the latest version of XAMPP from (<http://www.apachefriends.org/en/xampp.html>)
- Clone the git repository (See Dr. Plotnick's GitHub Documentation) for the Website folder into the htdocs folder found within the XAMPP directory
- Clone the git repository (See Dr. Plotnick's GitHub Documentation) for the Applet folder into the htdocs folder that is now located within the XAMPP directory

c. How to use

- To start XAMPP, go to your XAMPP directory and execute xampp-control.exe (Windows) or manager-osx (Mac)
- In the XAMPP control, start the Apache server and the MySQL server
 - Note: Skype can interfere with XAMPP because they use the same port. You can change the port settings in XAMPP or avoid using Skype when using XAMPP.
- Open your favorite browser
- In the address bar, type "localhost"
- From this page, you can access many resources, including "phpMyAdmin" for database resources.
- To view php or html files, type "localhost/phpFilePath", for example "localhost/Website/myFiles.php". Note: The file path begins inside the htdocs folder. The php files might throw errors if you haven't followed the next set of instructions of creating the database.

d. Creating the Database

- Open phpMyAdmin located at localhost on the left side or type (“localhost/phpmyadmin”). You should see a sidebar on the left where the current databases are listed.
- To create a new database, click the “Databases” tab in the top left corner of the main contents panel (just to the right of the sidebar).
- Type “DiscourseAnalysis” in the field labeled “Create database” and click create. You should see the new database listed below the create database field as well as in the sidebar.
- Click the DiscourseAnalysis database. From here you can edit the properties and permissions of the table as well as creating and executing queries.
- Click the “Import” tab. This opens a dialog where you can import .sql files to create tables within your database.
- Click “Browse for files” and navigate to where the .sql file, DiscourseAnalysis_Database.sql, provided for you in the Website folder. Select the file and click “Go”. You should see a notification at the top of the page letting you know that the import has been successful.
- Navigate back to the “Structure” tab and verify that your database now contains tables.
- To log into the website, a username and password were included in the import. Use “user” and “pass” for your login credentials.

GitHub

Github is the git interface we chose to use for this project. All of the project files are located in a repository on Github. The following section explains how to setup Github, pull changes from the server, and push local changes to the server.

- **Setting up GitHub**
 - Navigate to github.com
 - If you haven’t already done so, create a github account and download github to your computer
 - Open github and log in with the account you just created. Your instructor will need your account information to share the repository with you. Once this is done, you should see the CS 491 project repositories listed under github when you login.
- **Cloning a repository**
 - Click the project repository listed under github
 - Mouse over each folder and click the clone button. You should clone the repositories as directed in the XAMMP section.
 - Navigate to your XAMMP htdocs folder. You should now see all of the project

repository folders in this directory.

- **Pulling from the server**

- Navigate to the “My Repositories” folder on GitHub. This shows all of the repositories located on your local machine.
- If there are new changes on the server that have not been pulled to your local repository, a bold “New Commits” message will be shown on the repository containing the changes.
- Click the arrow on this repository. This will show you all of the changes that have not been synced.
- To pull the changes to your local repository, click the “Sync Branch” button. The changes should now be reflected in your local repository.

- **Pushing to the server**

- Navigate to the “My Repositories” folder on GitHub.
- Click the arrow on the repository containing your changes.
- A list of all of your changes will be displayed.
- Click the “Select All” checkbox to commit all the changes or selectively check individual changes to be committed.
- Add a commit summary and description and click commit. The commit will now be shown under “Unsynced Commits”.
- Click the “sync” button to share these changes or the “edit” button to edit the changes.

NetBeans

Go to <http://netbeans.org/downloads/> and download the latest version of the NetBeans SE IDE for your operating system.

- **Create a Project for the Applet**

- With NetBeans open, Click File -> New Project -> Next.
- Give it an appropriate name, and uncheck the Create Main Class checkbox. Click Finish.