TTVG Web Site

Version: 1.0.0

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Change History

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# Requirement

Main functionalities are going to be provided in this web site.

## Bulletin

Provide announcement

## Discussion

Q&A, and discussions

## Event Registration

Event announcement and registration

## Event Schedule

Calendar for the events

# System Prerequisites

## Java

Version: jdk-7u40-windows-x64.exe

Installation: Run from Command Line

Environment Variables: JDK\_HOME=E:\Java\jdk1.7.0\_40-64

JAVA\_HOME=%JDK\_HOME%

JRE\_HOME=%JAVA\_HOME%\jre

## Web Server

Version: apache-tomcat-8.5.13-windows-x64.zip

Installation: Unzip to E:\Java

Startup: E:\Java\apache-tomcat-8.5.13\bin\startup.bat

## Database

Version: mysql-5.6.14-win32.zip

Installation: Unzip to E:\Java

Startup: E:\Java\mysql-5.6.14-win32\bin\mysqld.exe

## Database Client

Version: mysql-workbench-community-6.0.7-win32-noinstall.zip

Installation: Unzip to E:\Java

Startup: E:\Java\MySQL Workbench 6.0.7 CE\MySQLWorkbench.exe

Reset the root password: From Management->Users and Privileges

Limit the client connections: Only from localhost

## Eclipse

Version: eclipse-standard-luna-M2-win32.zip

Installation: Unzip to E:\Java

Workspace: E:\Jenny\GitHub\Projects\TTVG-JSP

## GitHub

Repository URL: https://github.com/jennyy-lei/TTVG

Local storage: E:\Jenny\GitHub

HTTP URL: https://github.com/jennyy-lei/TTVG-JSP/tree/master/TTVG-JSP

HTTP Credential: jenny.h.lei@hotmail.com

# Database Implementation

## Database

The database is named TTVG in the MySQL server.

### Creation

* From “MySql WorkBench”,
* Right-clicking from Schemas,
* Select “Create Schema”
* Create database “TTVG”

### Deletion

* From “MySql WorkBench”,
* Right-clicking the database schema “TTVG”,
* Select “Drop Schema”
* Confirm to delete this database

## Tables

Run scripts to install/drop tables for the TTVG database.

### Creation

Run the script: E:\Jenny\GitHub\Projects\TTVG-JSP\Database\db\_tables\_install.bat

### Drop

Run the script: E:\Jenny\GitHub\Projects\TTVG-JSP\Database\db\_tables\_drop.bat

## Backup & Restore

Run scripts to export/import tables for the TTVG database.

### Export

Run the script: E:\Jenny\GitHub\Projects\TTVG-JSP\Database\db\_export.bat

### Import

Run the script: E:\Jenny\GitHub\Projects\TTVG-JSP\Database\db\_import.bat

# User Roles

Four types of roles are defined to control the resource access.

## Guest User

This type of user has the general access to the basic content.

## Registered User

This type of user has to login into the application, and could have privileged access to such event register.

## Topic Administrator

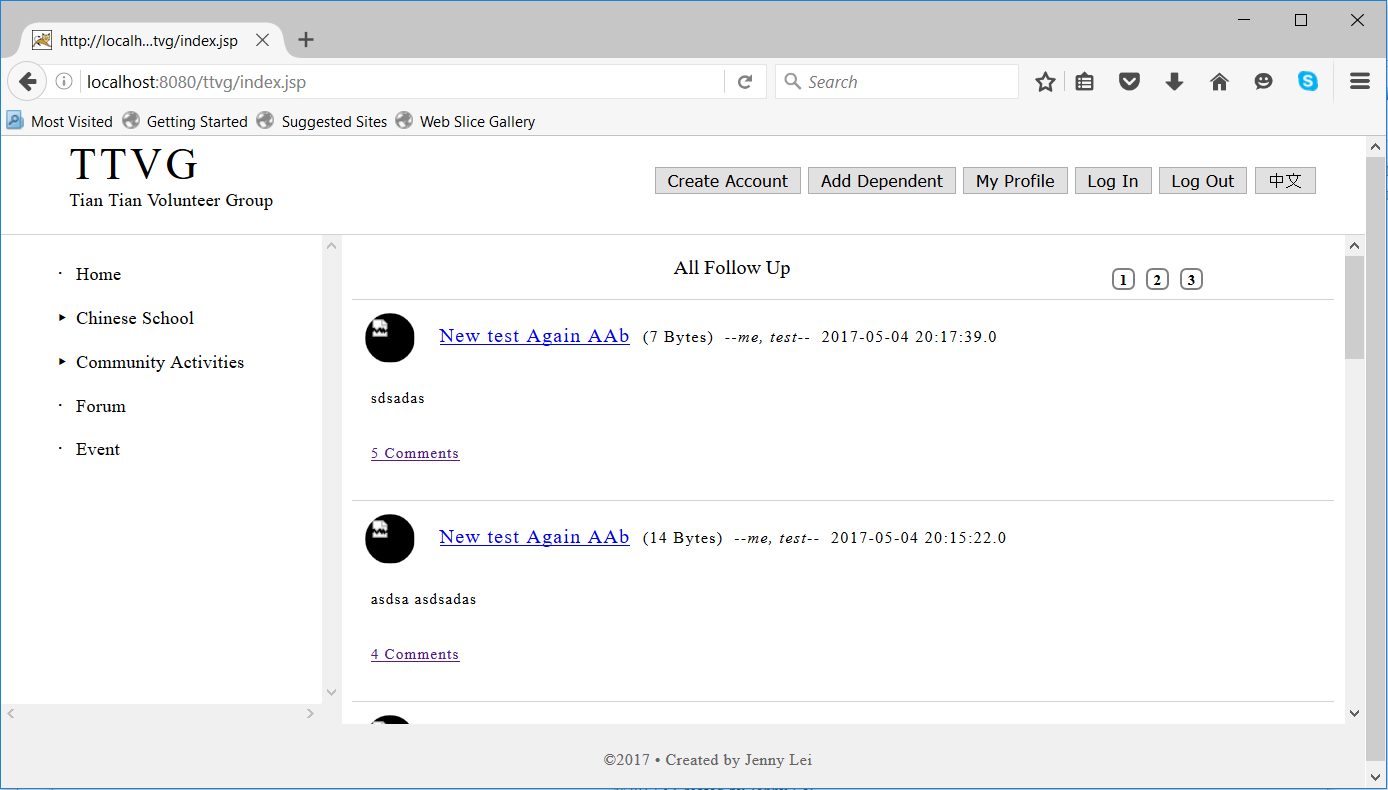
May need a topic administrator for the forums, and events

## Administrator

The administrator has the power to and system administration, such as audit.

# Home & Entry Page

A single home page is designed in a framework in embed all functions



## Title Area

It displays the title information for TTVG (Tian Tian Volunteer Group).

On the right side of the title, user could login and select the language preference.

## Side Menu of Functions

The detail of each function is elaborated in the following sections

## Content Panel

It displays the main content.

Any error message is displayed at the top of the content, in red.

## Footnote

It displays the copyright and author information

# Home

This is a special case of bulletin. More generation cases are discussed in the following section

## Display

## Bulletin Management

[Login] Topic Administrator

See following section for more detail.

# Forums

## Structure

Three levels of organization of the forums,

### Topic

This is the top level for the discussion around, such as Chinese School->Academics->Elementary School

### Bulletin

Under each topic, there is a list of bulletins

### Follow-up

Under each bulletin, there is a list of follow-ups as public discussion thread.

## Display

## Topic Management

[Login] Administrator

This has to be created or deleted manually in,

* System menu,
* Add an entry for this topic in DB

## Bulletin Management

[Login] Topic Administrator

### Create

### Modify

### Delete

### Go Top

## Follow-up Management

### Add

[Login] Registered User

### Delete

[Login] Topic Administrator

# Events

## Display

## Management

[Login] Topic Administrator

### Add

### Modify

### Remove

## Registration

[Login] Registered User

### Register

### Un-register

## Calendar

# My Profile

[Login] Registered User

## Create Account

Create an account

## Disable Account

[Login] Administrator

Disable an account

## Update Profile

Update an account

## Dependent Management

Create dependent account

## Register/Un-register Event

Register to an event for self or dependent.

## Password Reset

Need to be able to change password or reset if forgot.

# Audit

[Login] Topic Administrator

The critic operations are logged into an Audit table, include

* User registration
* Event creation/deletion, registration/un-registration

Information stored,

* Target: User, Event, Bulletin, Forum
* Content
* Action: such as Add, Modify, Remove

# User Administration

[Login] Administrator

## Assign Topic Administrator

# Contacts and About

Static pages

# Open Topics

## Payment Record

No in the scope