Release Description

We Are Trojans (WAT) Network

Team01

Team members	Roles
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05/04/2015

Version History

Date	Author	Version	Changes made	Rationale
05/04/15	PP, SP, KS, ES	1.0	• Create the description for release	• Initial the first version of the documents for the Archive package.

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1. About This Release

This is the first release of We Are Trojans (WAT) Network.

Item Names	Last Modified Date	Version
Operational Concept Descriotion (OCD)	04/27/2015	5.0
System and Software Support Plan (SP)	04/27/2015	1.0
System and Software Architecture Description (SSAD)	04/27/2015	6.0
Life Cycle Plan (LCP)	04/27/2015	7.0
Feasibility Evidence Description (FED)	04/08/2015	5.0
Regression Test Package (RTP)	04/27/2015	1.0
Test Plan and Cases (TPC)	04/27/2015	3.0
Test Procedure and Results (TPR)	04/27/2015	1.0
Transition Plan (TP)	04/27/2015	1.0
Training Materials (TM)	04/27/2015	1.0
User Manual (UM)	04/27/2015	1.0
Release Description (RD)	05/04/2015	1.0

1.1 Physical Inventory of materials released

There are no physical materials in this release.

1.2 Inventory of software contents

Category	Files
Dependency Management Files	composer.json
Read me	readme.md
Notification Server (Node.js)	nodejs/NodeServer.js
Commands	app/commands/WatSearchCommand.php
Configuration	app/config/app.php

	app/config/auth.php
	app/config/cache.php
	app/config/compile.php
	app/config/database.php
	app/config/local
	app/config/local/app.php
	app/config/local/database.php
	app/config/mail.php
	app/config/packages
	app/config/packages/bllim
	app/config/packages/bllim/laravel-to-jquery-validation
	app/config/packages/bllim/laravel-to-jquery-validation/config.php
	app/config/packages/mews
	app/config/packages/mews/purifier
	app/config/packages/mews/purifier/config.php
	app/config/queue.php
	app/config/remote.php
	app/config/school.php
	app/config/services.php
	app/config/session.php

	app/config/testing
	app/config/testing/cache.php
	app/config/testing/database.php
	app/config/testing/session.php
	app/config/view.php
	app/config/wat
	app/config/wat/forum.php
	app/config/wat/search.php
	app/config/wat/specialThread.php
	app/config/wat/users.php
	app/config/wat/wat_point.php
	app/config/workbench.php
Controllers	app/controllers/AdminController.php
	app/controllers/BaseController.php
	app/controllers/HomeController.php
	app/controllers/ItemCategoryController.php
	app/controllers/ItemController.php
	app/controllers/NotificationController.php
	app/controllers/PostController.php
	app/controllers/RemindersController.php

	app/controllers/SearchController.php
	app/controllers/SessionController.php
	app/controllers/StoreController.php
	app/controllers/ThreadController.php
	app/controllers/UserController.php
	app/controllers/WATEventController.php
Database Configuration	app/database/csv/posts.csv
	app/database/csv/thread_categories.csv
	app/database/csv/thread_category_thread.csv
	app/database/csv/thread_category_user.csv
	app/database/csv/threads.csv
	app/database/csv/user_roles.csv
	app/database/csv/users.csv
	app/database/migrations/2015_01_27_125345_create_threads_table.php
	app/database/migrations/2015_01_27_134846_create_thread_categorys_table.php
	app/database/migrations/2015_01_27_143605_create_users_table.php
	app/database/migrations/2015_01_27_144937_create_notification_table.php
	app/database/migrations/2015_01_27_145732_create_posts_table.php
	app/database/migrations/2015_01_27_150820_create_events_table.php

	app/database/migrations/2015_01_27_151802_create_items_table.php
	app/database/migrations/2015_01_27_152745_create_item_categories_table.php
	app/database/migrations/2015_01_27_154216_create_post_user_table.php
	app/database/migrations/2015_01_27_154226_create_thread_user_table.php
	app/database/migrations/2015_01_27_155155_create_thread_foreign_keys.php
	app/database/migrations/2015_01_27_160419_create_thread_category_foreign_keys.php
	app/database/migrations/2015_01_27_162439_create_notification_foreign_keys.php
	app/database/migrations/2015_01_27_162912_create_posts_foreign_keys.php
	app/database/migrations/2015_01_27_163120_create_items_foreign_keys.php
	app/database/migrations/2015_01_27_163342_create_item_categories_foreign_keys.php
	app/database/migrations/2015_01_27_163551_create_post_user_foreign_keys.php
	app/database/migrations/2015_01_27_163600_create_thread_user_foreign_keys.php
	app/database/migrations/2015_02_18_014932_create_thread_categories_threads_table.php
	app/database/migrations/2015_02_18_014945_create_thread_categories_users_table.php
	app/database/migrations/2015_02_18_015706_create_thread_categories_users_foreign_key.php
	app/database/migrations/2015_02_18_015717_create_thread_categories_threads_foreign_key.php

	app/database/migrations/2015_02_19_012454_create_password_reminders_table.php
	app/database/migrations/2015_03_29_090610_create_user_roles_table.php
	app/database/migrations/2015_03_29_091124_create_user_foreign_keys.php
	app/database/migrations/db.sql
	app/database/seeds/BasedSeeder.php
	app/database/seeds/DatabaseSeeder.php
	app/database/seeds/ElasticSearchSeeder.php
	app/database/seeds/PostSeeder.php
	app/database/seeds/ThreadCategorySeeder.php
	app/database/seeds/ThreadCategoryThreadSeeder.php
	app/database/seeds/ThreadCategoryUserSeeder.php
	app/database/seeds/ThreadSeeder.php
	app/database/seeds/UserRolesSeeder.php
	app/database/seeds/UserSeeder.php
Event logic	app/events/UpdateScoreEventHandler.php
Route filters	app/filters.php
Language files	app/lang/en/messages.php
	app/lang/en/pagination.php
	app/lang/en/reminders.php
	app/lang/en/validation.php

Input validator	app/libraries/TrojanValidator.php
Models	app/models/Item.php
	app/models/ItemCategory.php
	app/models/Notification.php
	app/models/Post.php
	app/models/Redemption.php
	app/models/Thread.php
	app/models/ThreadCategory.php
	app/models/User.php
	app/models/UserRoles.php
	app/models/WATEvent.php
Repository configurations	app/repositories/AdminRepository.php
	app/repositories/EloquentAdminRepository.php
	app/repositories/EloquentPostRepository.php
	app/repositories/EloquentThreadRepository.php
	app/repositories/EloquentUserRepository.php
	app/repositories/EloquentWATEventRepository.php
	app/repositories/PostRepository.php
	app/repositories/RepositoriesServiceProvider.php
	app/repositories/ThreadRepository.php

	app/repositories/UserRepository.php
	app/repositories/WATEventRepository.php
Routes	app/routes.php
Tests	app/tests/ExampleTest.php
	app/tests/NotificationTest.php
	app/tests/PostControllerTest.php
	app/tests/RegistrationTest.php
	app/tests/SearchControllerTest.php
	app/tests/SearchUtilTest.php
	app/tests/TestCase.php
	app/tests/ThreadControllerTest.php
	app/tests/UserTest.php
Search utilities	app/utils/SearchUtil.php
Views	app/views/admins
	app/views/admins/events.blade.php
	app/views/admins/posts.blade.php
	app/views/admins/show.blade.php
	app/views/admins/threads.blade.php
	app/views/emails
	app/views/emails/auth

	app/views/emails/auth/reminder.blade.php
	app/views/emails/confirm.blade.php
	app/views/events
	app/views/events/create.blade.php
	app/views/events/event.blade.php
	app/views/hello.php
	app/views/layouts
	app/views/layouts/about.blade.php
	app/views/layouts/default.blade.php
	app/views/mytest.blade.php
	app/views/password
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	app/views/password/reset.blade.php
	app/views/search
	app/views/search/search.blade.php
	app/views/sessions
	app/views/sessions/login.blade.php
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	app/views/threads/addpost.blade.php
	app/views/threads/addthread.blade.php

	app/views/threads/editpost.blade.php
	app/views/threads/editthread.blade.php
	app/views/threads/index.blade.php
	app/views/threads/show.blade.php
	app/views/users
	app/views/users/create.blade.php
	app/views/users/notifications.blade.php
	app/views/users/profile.blade.php
	app/views/users/registration.blade.php
Stylesheets	public/css/default/jquery.notify.css
	public/css/default/nav.css
	public/css/default/notification.css
	public/css/events/eventIndex.css
	public/css/forumpage.css
	public/css/images/USCbackground.jpg
	public/css/include.css
	public/css/jquery.multilevelpushmenu_red.css
	public/css/notification/notificationpage.css
	public/css/profile/jquery.Jcrop.min.css
	public/css/profile/main.css

	public/css/profile/profile_page.css
	public/css/search/search.css
	public/css/search.css
	public/css/sessions/login.css
	public/css/thread_view.css
	public/css/threads/show_thread_page.css
	public/css/threads/wat_tinymce.css
Images	public/images/Leaderboard_images/1.png
	public/images/Leaderboard_images/2.png
	public/images/Leaderboard_images/3.png
	public/images/Leaderboard_images/4.png
	public/images/Leaderboard_images/5.png
	public/images/Leaderboard_images/6.png
	public/images/Leaderboard_images/7.png
	public/images/Leaderboard_images/8.png
	public/images/Leaderboard_images/9.png
	public/images/Leaderboard_images/Leader.png
	public/images/cover_pic/default
	public/images/envelope.png
	public/images/icon.png

	public/images/numberone.png
	public/images/profile_pic/default
	public/images/questions-mark.png
	public/images/scnumber1.jpg
	public/images/search/Post.png
	public/images/search/Thread.png
	public/images/test.jpg
	public/images/treasure.png
	public/images/usc3.jpg
	public/images/usc4.jpg
	public/images/usc6.jpg
	public/images/usc7.jpg
	public/images/usclogo.jpg
	public/images/uscschool.jpg
JavaScript	public/js/admin/show.js
	public/js/basichtml.js
	public/js/events/eventIndex.js
	public/js/posts/post_event_handler.js
	public/js/profile/profilepage.js
	public/js/profile/profilepage_circle-progress.js

	public/js/profile/profilepage_jquery.Jcrop.min.js
	public/js/profile/profilepage_script.js
	public/js/sessions/login.js
	public/js/stickysidebar.js
	public/js/threads/index.js

2. Compatibility Notes

The system works on any server that has Apache server and PHP v5.4+ running. Users can access to We Are Trojans (once it is up and running on some server) from any portable devices and computers that can access to the Internet. Our team recommends using Chrome or Firefox for the best web experience.

No.	Compatible Components installed	Version
1	Laravel PHP Framework	v5.0.28
2	Node.js	v0.12.2
3	Redis	v2.8
4	Bootstrap	v3.3.2
5	JQuery	v2.1.3
6	Elasticsearch	v1.5.2

3. Upgrading

Prerequisites

1. Composer https://getcomposer.org/
2. PHP 5.4+
3. Npm
4. Node.js https://nodejs.org/download/
5. Redis http://redis.io/download/
6. Elasticsearch https://www.elastic.co/
7. MySQL

Installation steps
1. Clone WAT from the git repository https://github.com/Troy888/WAT using this command

       git clone https://github.com/Troy888/WAT <destination_directory>
2. Go under the root directory of the project
3. Run composer to install the project's dependencies
       Composer install
4. Restart the webserver by
       /etc/init.d/httpd restart
5. If do not have PHP GD then install PHP GD module by
       sudo yum install php55-gd

Install real-time notification system
1. run composer update
2. Download, install, and run Redis from http://redis.io/download
3. Install node.js from https://nodejs.org/download/
4. Once node is installed and you have the lastest version of the project, go to 'nodejs' folder in the root directory and run this command. This will install all required modules.
       npm install socket.io express redis
5. Run node.js file in that directory using this command
       Node NodeServer.js
6. You should be able to see log in the console when a user is accessing the webpage
7. (Optional) You can run this command for monitoring purpose.
       ./redis-cli monitor

Setup Elasticsearch in WAT system
1. Download and decompress elasticsearch files from https://www.elastic.co/
2. (Optional Modify configurations such as ports, cluster.name of the elasticsearch instance in the following file <decompressed directory>/config/elasticsearch.yml
3. Go into [decompressed directory]/bin and run this command to start Elasticsearch
       ./elasticsearch
4. Configure the "elasticsearch_hosts" variable inside app/config/wat/search.php to identify the elasticsearch server's IP address and port.
5. Run the following command to initialize and setup indices for the elasticsearch. (This will enable the search to be able to match the same words in different forms such as jump, jumped, and jumping)
       php artisan wat:search --setup
6. (Optional) Run the following command to get test data into the elasticsearch server
       php artisan db:seed

4. New Features and Important Changes

This is the first release of the system.

4.1 New Features

Below is a list of all features for this first release:
- Q&A Forum
- Profile
- Notification System
- Event System
- Point System

4.2 Changes since previous release

This is the first release

4.3 Upcoming Changes

Below tasks should be completed before the next system release:

- Redemption System.
- Improve security and privacy.

5. Known Bugs and Limitations

Constraints:

- Elastic search needs at least 16GB of memory (sweet spot is 64GB) (ref: http://www.elastic.co/guide/en/elasticsearch/guide/current/hardware.html)
- The hosting server need to be able to run PHP, NodeJS, and Elastic search

Known bugs:

- Profile picture orientation is wrong when using a mobile phone to take a picture.