

Software User's Manual

We Are Trojans (WAT) Network

Team01

Team members	Roles
Eirik Skogstad	Project Manager, Life Cycle Planner
Min Li	Feasibility Analyst, Operational Concept Engineer
Pittawat Pamornchaisirikij	NDI/NCS Acquirer & Evaluator, Tester
Punyawee Pakdiying	System Architect, Feasibility Analyst
Saloni Priya	Requirements Engineer, UML Modeler
Ameer Elkordy	IIV&V, Quality Focal Point
Suleyman Erten	Operational Concept Engineer, Requirements Engineer
Kamonphop Srisopha	Prototyper, UML Modeler

Version History

Date	Author	Version	Changes made	Rationale
04/07/15	ML	0.5	<ul style="list-style-type: none">• Create User Manual draft	<ul style="list-style-type: none">• User Manual draft could be a instruction to tell clients how to use the software
04/27/15	ML	1.0	<ul style="list-style-type: none">• Check errors	<ul style="list-style-type: none">• For version 1.0

Table of Contents

VERSION HISTORY	II
TABLE OF CONTENTS	III
TABLE OF FIGURES	IV
1. Introduction	1
2. Installation Procedures	2
3. Operational Procedures	3
4. Troubleshooting.....	18
5. Notes.....	23

Table of Figures

FIGURE 1: WAT NETWORK HOMEPAGE	3
FIGURE 2: WAT NETWORK HOMEPAGE ON MOBILE VIEW	4
FIGURE 3: VIEW OF CATEGORY BAR WHEN EDIT IS NOT CLICKED	5
FIGURE 4: VIEW OF CATEGORY BAR WHEN EDIT IS CLICKED	5
FIGURE 5: ADD THREAD BUTTON IN NAV BAR	6
FIGURE 6: ADD THREAD PAGE	6
FIGURE 7: THREAD AND RESPECTIVE POST LISTING PAGE	7
FIGURE 8: ADD COMMENT VISIBLE AT THE BOTTOM OF THE PAGE	8
FIGURE 9: QUOTE IS DISPLAYED IN THE ADD COMMENT EDITOR	9
FIGURE 10: ON CLICK OF ADD A COMMENT, COMMENT IS POSTED ON FORUM	9
FIGURE 11: ON CLICK EDIT USER CAN EDIT THE COMMENT	10
FIGURE 12: NOTIFICATION POP-UP	10
FIGURE 13: NOTIFICATION PAGE	11
FIGURE 14: SEARCH POP-UP	11
FIGURE 15: EVENT PAGE	12
FIGURE 16: EVENT POP UP WINDOW	12
FIGURE 17: PROFILE PAGE	13
FIGURE 18: CHANGE PASSWORD MODAL	14
FIGURE 19: EDIT INFORMATION MODAL	15
FIGURE 20: CHOOSE PROFILE PICTURE MODAL	15
FIGURE 21: ON-CLICK OF "CHOOSE FILE" AND MAKING PICTURE SELECTION	16
FIGURE 22: HOW TO ACCESS TO ADMIN PAGE	16
FIGURE 23: HOW TO ACCESS TO ADMIN PAGE ZOOM VERSION	17
FIGURE 24: ADMIN PAGE THREAD TAB	17
FIGURE 25: ADMIN PAGE POST TAB	17
FIGURE 26: CREATE EVENT FUNCTIONALITY	18
FIGURE 27: ERROR MESSAGE DISPLAYED WHEN USER ENTERED WRONG E-MAIL/PASSWORD	19
FIGURE 28: USER DIRECTED TO HOME-PAGE ON LOG-IN SUCCESS	19
FIGURE 29: ERROR MESSAGE DISPLAYED WHEN USER LEAVES ALL THE FIELDS BLANK	20
FIGURE 30: ERROR MESSAGE DISPLAYED WHEN USER JUST ENTERS THE FIRST NAME	20
FIGURE 31: THE PAGE DISPLAYED WHEN USER ENTERS CORRECT INFORMATION FOR THE REGISTER	21
FIGURE 32: ERROR MESSAGE DISPLAYED WHEN USER DOES NOT ENTER ALL THE REQUIRED CONTENT	22
FIGURE 33: THE USER THREAD IS POSTED SUCCESSFULLY ON THE FORUM PAGE	23

1. Introduction

1.1 System Overview

“We Are Trojans Network”(WAT) is a collaboration platform for all USC Trojans. It has six main features including Q&A forum, WAT Point System, Notification system, Profile System, LeaderBoard, Event System.

Q&A forum is a core feature in this project. It provides a platform for users to ask and answer a question. To increase the credibility of answers, we create “like” and “dislike” function. The system could select the most credible answers to users according to the number of “like” in those posts. In this forum, we offer the category function helping users easily classify the threads’ categories. Besides this function, we also have “hot threads” button to show the “hot” threads defined by our algorithm.

To reward users’ contributions to the system, we create WAT point system. Users could receive positive points from “like” or negative points from “dislike”. However, these “points” are added to “semester points” firstly. After one month period, these pending “points” will converted to “usable points”. In our client proposal, users could redeem items with “usable points” in bookstore. But our clients have not reach agreement with USC bookstore so far.

Notification system is a feature to notify users if a user receives a “like” or a post from other. This is like a facebook notification features.

Profile system is a basic feature like other profile system. A user could edit their information like name, password, categories and etc. A user also could change their image in their profile background.

Leaderboard’s purpose is to create a competitive atmosphere for users. Users could see their ranking and the top 10 ranking in the system. It could encourage users to give a high quality answers or questions.

Event system is to show events on campus.

The purpose of system is to connect Trojans together.

1.2 System Requirements

1.2.1 Hardware Requirements

Device, that has a compatible web browser.

1.2.2 Software Requirements

“We Are Trojans Network”(WAT) is deployed on Amazon EC2. The software requirements for a user are just a few.

Software	Name
Brower	Safari , Chrome, Firefox
Operating System	Mac, Window

1.2.3 Other Requirements

There are no other requirements for user to access our system

2. Installation Procedures

No installation is needed. Just type the right URL.

2.1 Initialization procedures

N/A

2.2 Re-installation

N/A

2.3 De-installation

N/A

3. Operational Procedures

3.1 Home Page

The Fig 3.1.a.1 show the application Home-Page. This page is displayed to the user when they log-in to the system.

Desktop View:

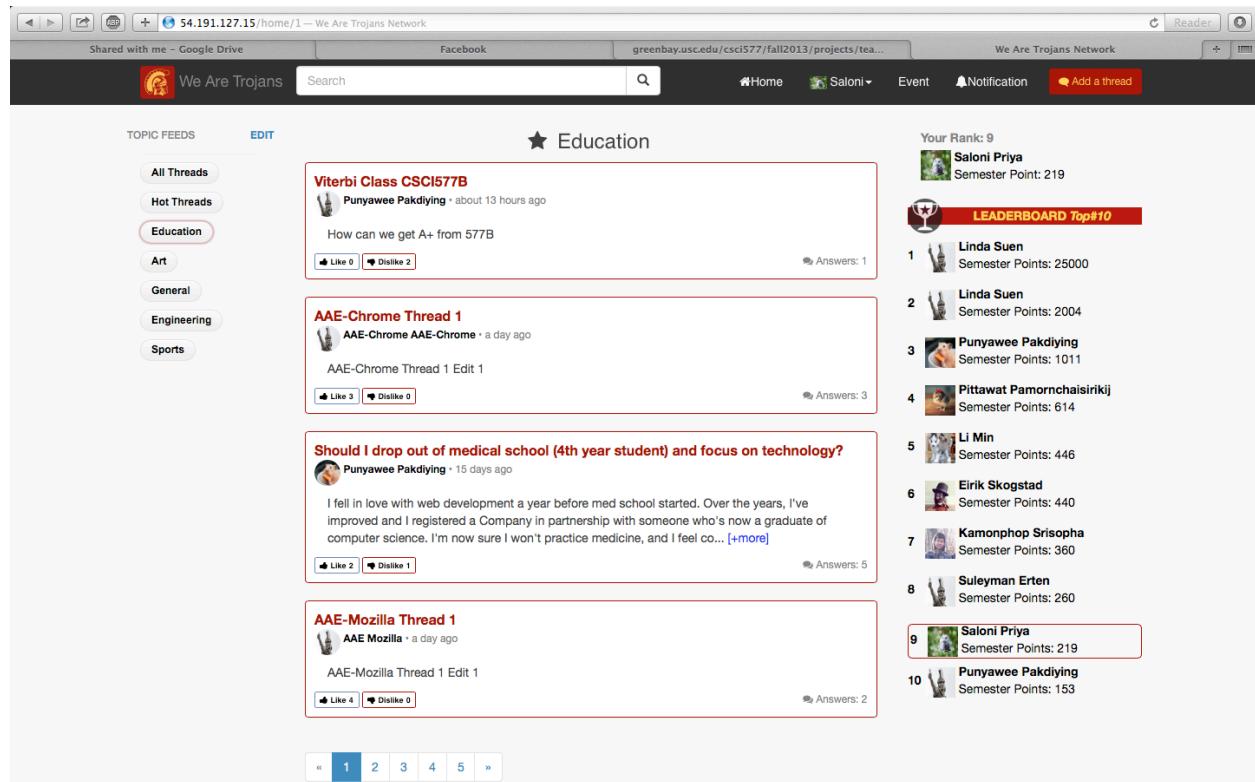


Figure 1 WAT Network HomePage

User Function (*here the user input is clicks*):

- User can view list of threads read the list of threads specific to the category selected in the category bar at the left side of the page.
- User can use the pagination feature and get to view the threads sorted based on updated time.
- User can select specific category to threads respective to that category.
- User can click like /dislike the threads:
 - A notification about the user action to the user who posted the thread.
 - The WAT points for that user will be updated for that user.
 - User can click on Answers and go the Q&A
- User can click on the thread topic and will be directed to the Q&A Forum.
- The Leaderboard is clickable. User can click the on the leaderboard and will be directed to the selected user profile page.
- User can click on the Edit button in the category bar to edit his category.
- User can click the add thread button to be directed to the add thread page and add a thread to the system.

- If user gets a notification he will see an alert icon on top of notification. Clicking on it he will see the pop-up with the notification details.

Mobile View:

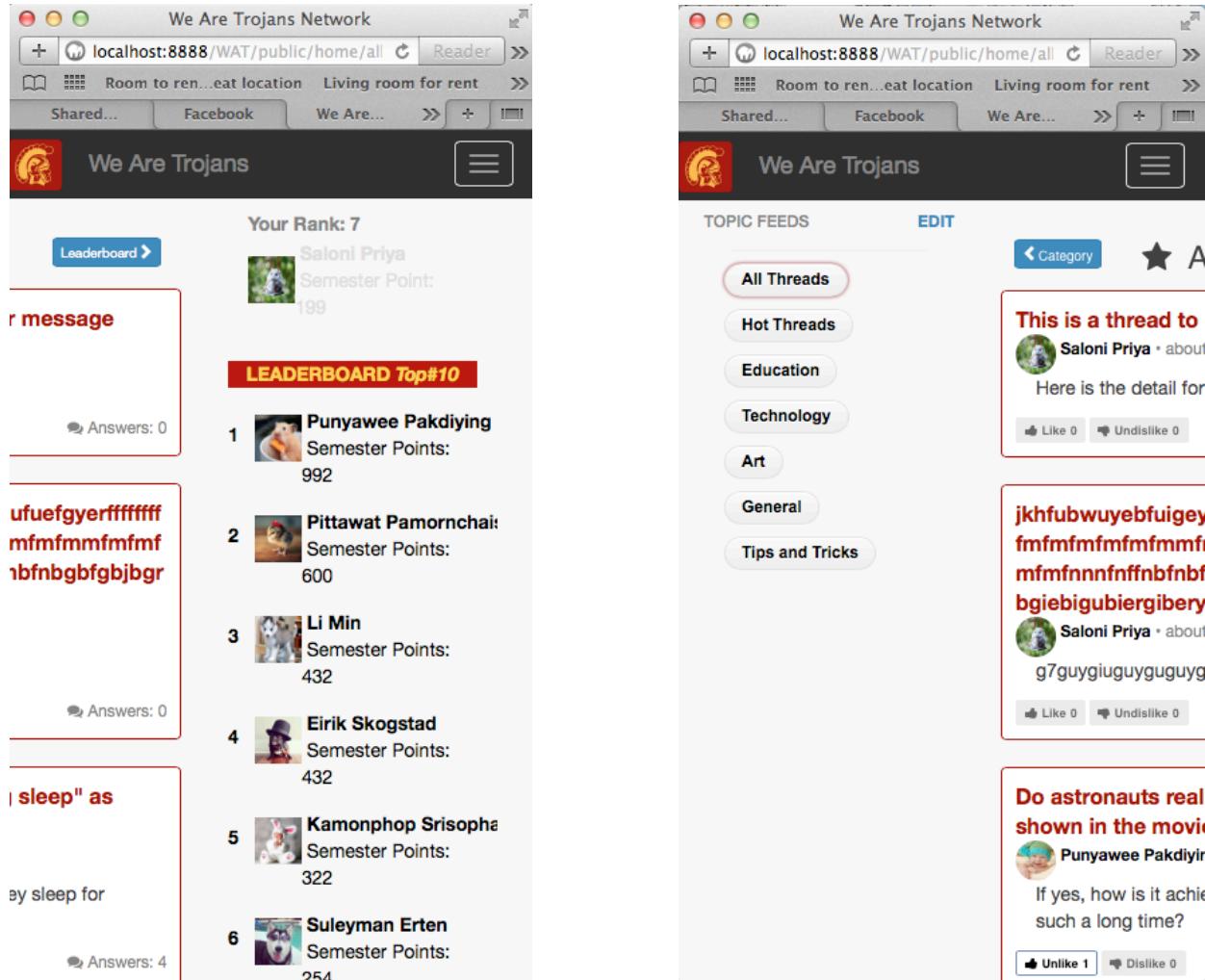


Figure 2: WAT Network HomePage on Mobile View

User Function (*here the user input is clicks*):

- User will have the features similar to desktop view.
 - Additional:
 - To view the leaderboard/category bar the user will have to click on the button at the right/left side respectively.

3.2 Category Bar

The screenshot shows a web browser window with the URL 54.191.127.15/home/allthread#. The title bar says "We Are Trojans Network". The main content area is titled "★ All Threads". On the left, there is a sidebar with a "TOPIC FEEDS" section containing links to "All Threads", "Hot Threads", "Education", "Art", "General", "Engineering", and "Sports". Above this, there is a "Shared with me - Google Drive" section. On the right, there is a "LEADERBOARD Top#10" section showing user ranks from 1 to 10 based on Semester Points. The main content area displays several threads:

- Driving in LA** by Saloni Priya (15 days ago): "The busiest traffic periods in LA are during morning and afternoon/evening commuting hours on weekdays - roughly 7-9AM and 4-7PM. Weekends tend to be more unpredictable but usually not a big issue until at least late morning. The main things to know... [+more]".
- TESTING thread** by Suleyman Erten (4 days ago): "bu thread test içindir. TEST TEST".
- Which CS master's program is better, UCSD or Brown?** by Kamonphop Srisopha (about an hour ago): "I am an international students. I am luckily behing admitted by these two programs. I want to find a computer science related job in the US after graduation. I like Brown because the campus is really beautiful, it's a ivy school, the program is small... [+more]".
- Coming in mid October and wondering about street performers?** by Erik Skogstad (15 days ago): "Staying in Hollywood, Santa Monica, Anaheim & San Diego and I'm wondering if/where street performers might be found? What type and where would be worth checking? Not really talking about costumed characters, unless they are busting out some beats an... [+more]".

Figure 3: View of Category Bar when EDIT is not clicked

This screenshot is identical to Figure 3, but the "Edit" button in the top right corner of the sidebar is highlighted in red, indicating it has been clicked. The rest of the interface and content are the same.

Figure 4: View of Category Bar when EDIT is clicked

User Function (*here the user input is clicks*):

- User can click on “-“ and the category will be deleted for the user.
- User can select the category using the drop-down. And the category will be added for the user.
- To save the changes made he will have to click on DONE at top right in category bar.

3.3 Add Thread

The screenshot shows the 'All Threads' section of the application. On the left, there's a sidebar with 'TOPIC FEEDS' and buttons for 'All Threads', 'Hot Threads', 'Education', and 'Technology'. The main area displays two threads:

- What's BFS ?** by Punyawee Pakdiying (about 22 hours ago). It says 'BFS is a level-by-level search' and has 0 answers. There are 'Like 0' and 'Dislike 0' buttons.
- Do astronauts really go into "long sleep" as shown in the movie Interstellar?** by Punyawee Pakdiying (8 days ago). It asks 'If yes, how is it achieved? How can they sleep for such a long time?' and has 8 answers. There are 'Like 0' and 'Dislike 0' buttons.

On the right, there's a sidebar with 'Your Rank: 3' and a list of users with their semester points:

	User	Semester Points
1	Punyawee Pakdiying	992
2	Pittawat Pamornchaisirikij	600
3	Li Min	432
4	Eirik Skogstad	432

A red box highlights the 'Add a thread' button in the top right corner of the navigation bar.

Figure 5: Add thread button in nav bar

The screenshot shows the 'Add thread' page. At the top, there's a navigation bar with the 'We Are Trojans' logo, search bar, and other navigation links. Below the navigation bar, the main form has the following fields:

- Thread Topic:** A text input field with placeholder text 'Enter thread topic'.
- Select Thread Category:** A dropdown menu.
- Add Thread:** A blue button at the bottom of the form.

A large, semi-transparent image of a person in a dynamic pose is visible in the background of the form area.

Figure 6: Add thread Page

User Features:

- User click on “add a thread” button in nav bar to be directed to the add thread page.
- User will have to INPUT:
 - **Thread Topic**
 - **Content**

- **Select a category (minimum)**
- User clicks on Add thread to create a new thread. The thread will be posted on the Forum.

3.4 Q&A Forum

The screenshot shows a web browser window for a Q&A forum titled "We Are Trojans Network". The URL is 54.191.127.15/home/allthread#. The page displays a list of threads under the heading "All Threads".

Left Sidebar (YOUR CATEGORY):

- All Threads (selected)
- Hot Threads
- Education
- Art
- General
- Engineering
- Sports

Left Sidebar (ADD CATEGORY):

- Select Your Category
- +Technology
- +Tips and Tricks
- +Business
- +Traveling
- +Career

Top Right:

- Home
- Saloni
- Event
- Notification (red dot)
- Add a thread

Right Side (Your Rank):

LEADERBOARD Top#10	
1	Linda Suen Semester Points: 25000
2	Linda Suen Semester Points: 2004
3	Punyawee Pakdifying Semester Points: 1011
4	Pittawat Pamornchaisirikij Semester Points: 614
5	Li Min Semester Points: 446
6	Eirik Skogstad Semester Points: 440
7	Kamonphop Srisopha Semester Points: 360
8	Suleyman Erten Semester Points: 260
9	Saloni Priya Semester Points: 219
10	Punyawee Pakdifying Semester Points: 153

Threads List:

- Driving in LA** by Saloni Priya • 15 days ago
The busiest traffic periods in LA are during morning and afternoon/evening commuting hours on weekdays - roughly 7-9AM and 4-7PM. Weekends tend to be more unpredictable but usually not a big issue until at least late morning. The main things to know... [[+more](#)]
Like 3 | Dislike 0 | Answers: 5
- TESTING thread** by Suleyman Erten • 4 days ago
bu thread test içindir. TEST TEST
Like 1 | Dislike 1 | Answers: 1
- Which CS master's program is better, UCSD or Brown?** by Kamonphop Srisopha • about an hour ago
I am an international students. I am luckily being admitted by these two programs. I want to find a computer science related job in the US after graduation. I like Brown because the campus is really beautiful, it's a ivy school, the program is small... [[+more](#)]
Like 0 | Dislike 0 | Answers: 0
- Coming in mid October and wondering about street performers?** by Eirik Skogstad • 15 days ago
Staying in Hollywood, Santa Monica, Anaheim & San Diego and I'm wondering if/where street performers might be found? What type and where would be worth checking? Not really talking about costumed characters, unless they are busting out some beats an... [[+more](#)]
Like 2 | Dislike 0 | Answers: 4

Figure 7: Thread and respective Post Listing Page

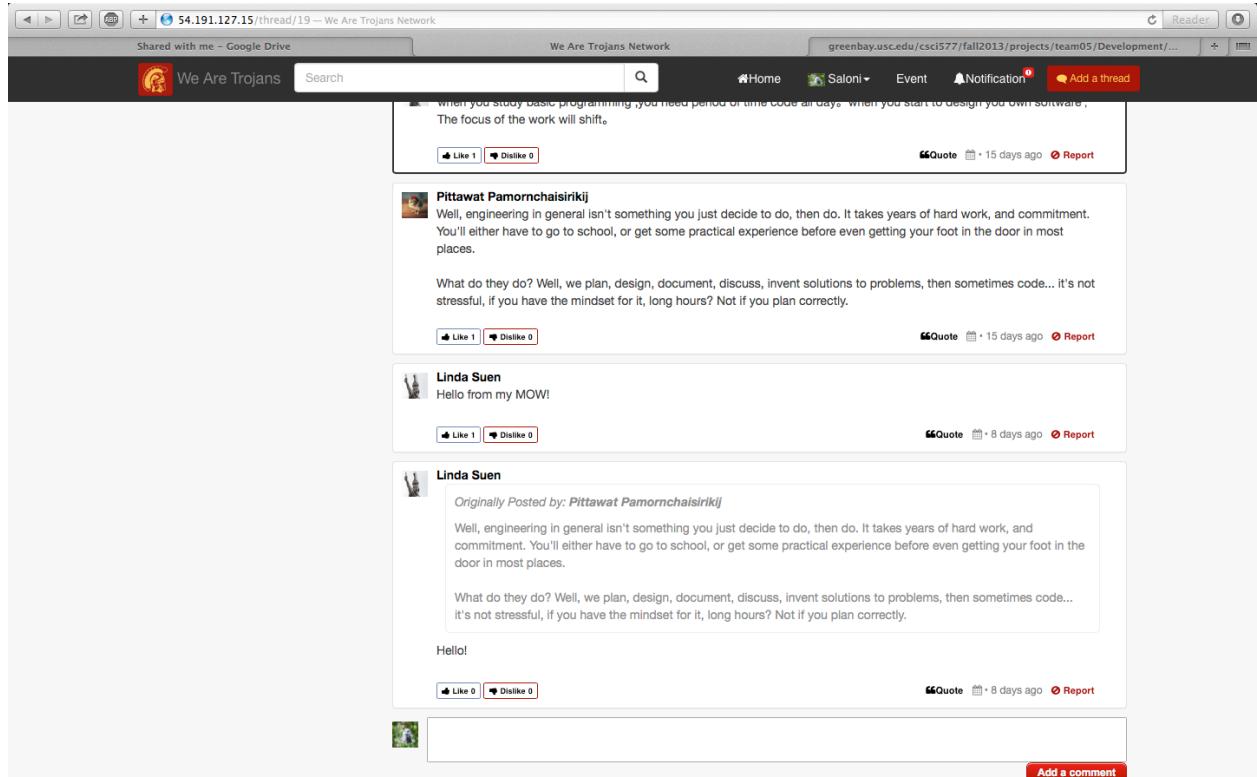


Figure 8: Add Comment Visible at the bottom of the Page

User Function (*here the user input is clicks*):

- User can view a thread and respective posts on the page. Left side use sees the Category Bar, which displays which category this thread belongs to.
- User can click like /dislike the threads or post:
 - A notification about the user action to the user who posted the thread.
 - The WAT points for that user will be updated for that user.
 - User can click on Answers and go the Q&A
- User can click on the Quote, to copy the data on the post editor and quote it if desired. Refer Figure 9 below.

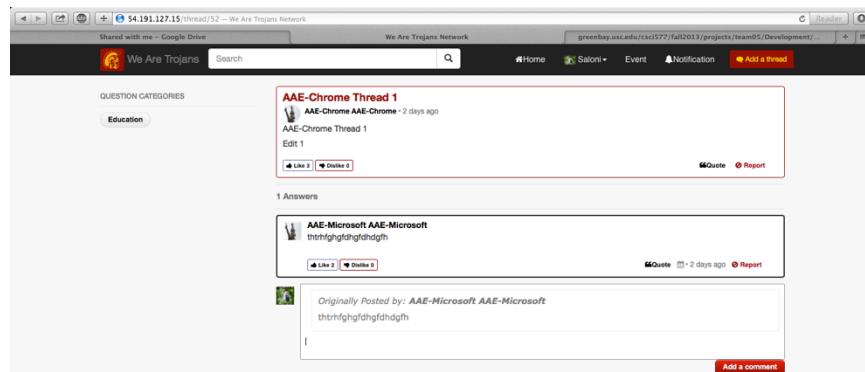


Figure 9: Quote is displayed in the add comment editor

- User can enter data in the add comment editor and post a comment. Refer Figure 10

a) Write Comment

The screenshot shows a user interface for posting a comment. On the left, there's a sidebar with 'QUESTION CATEGORIES' and buttons for 'Education' and 'Technology'. The main area displays a question titled 'What's CSCI 577B about?' by 'Li Min' posted 'about 7 hours ago'. The comment content is: 'Dear all, I want to ask what's CSCI 577B about. Do you think it is useful?'. Below the comment are 'Like 0' and 'Dislike 0' buttons, and edit/quote links. A red 'Add a comment' button is visible at the bottom right. The status bar indicates '0 Answers'.

Figure 10: On click of Add a comment, comment is posted on Forum

b) Click of Add Comment

This screenshot shows the same forum interface after a comment has been posted. The question and its original poster remain the same. The comment section now shows one answer from 'Li Min' posted 'a day ago'. The content of the answer is: 'I think 577B is a very practical lesson. It has extensive coding work.' Below the answer are 'Like 0' and 'Dislike 0' buttons, and edit/quote links. The status bar indicates '1 Answers'.

- User can click on Edit button to edit the post. Refer Figure 11.

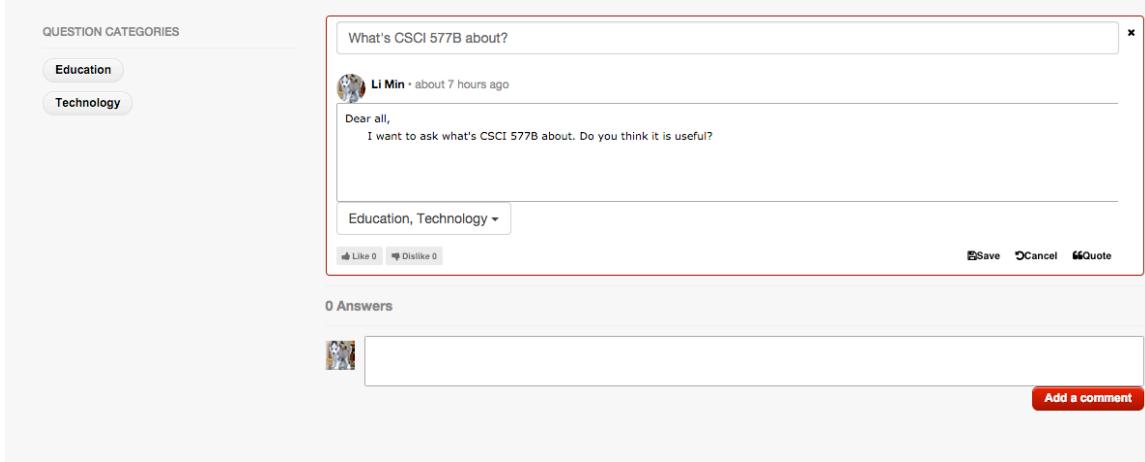


Figure 11: On click Edit user can edit the comment

- User can modify the content and clicks save to update the changes, or if he wants to cancel, user has to option to click the cancel button.
- User can click the “X” icon at the top right in Figure 11 to delete the post.

3.5 Notification

User Function (*here the user input is clicks*):

- User can click on the Notification at the nav bar to view the notification pop-up.
- User will be able to see the notification detail in the pop-up.
- User can click a specific notification, and will be directed to the respective page to display the result.
- Same goes with the notification Page, except here user can view all the notification in one page and have to option to mark notification as Read and Delete if needed. By clicking specific icons.

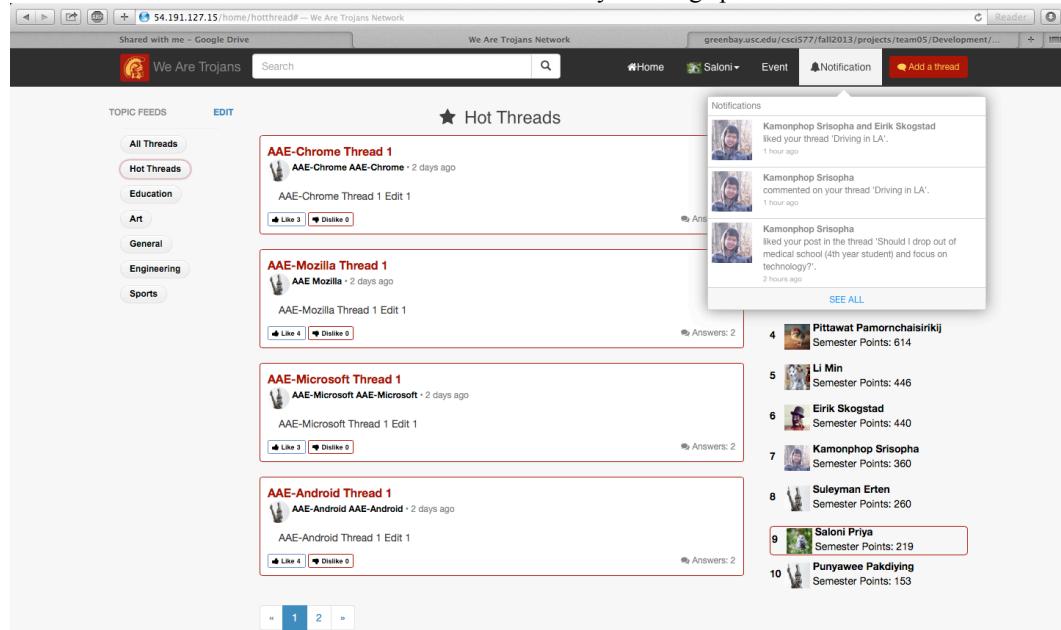


Figure 12: Notification Pop-up

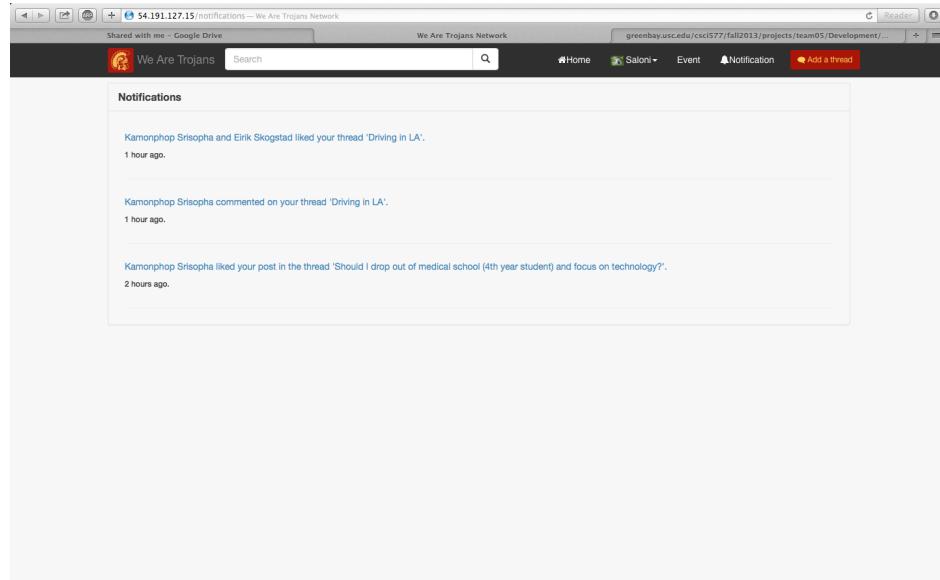


Figure 13: Notification Page

3.6 Search

User Function:

- The search pop-up is displayed as user starts to type data in the search input fields.
- User can view the search result in the pop-up, with the search text highlighted.
- User can click on the search result and will be directed to the respective result set page.
- To view all the search result in a separate page, user can click on the search icon. This will direct user to the search results page.

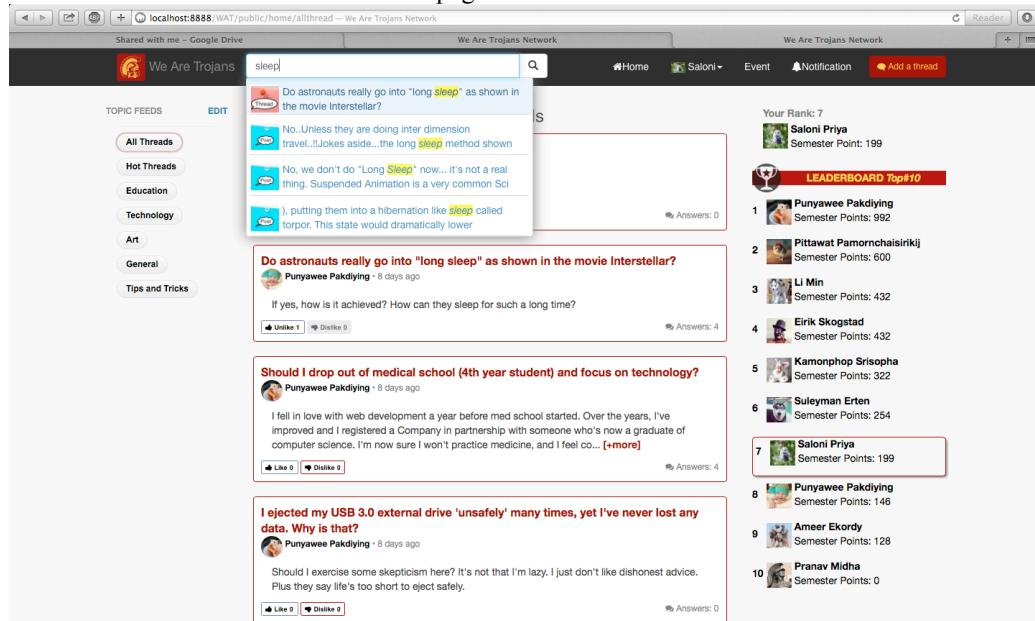


Figure 14: Search Pop-up

3.7 Event Page

In the Home Page, click “Event” on the top. It redirects to this picture.

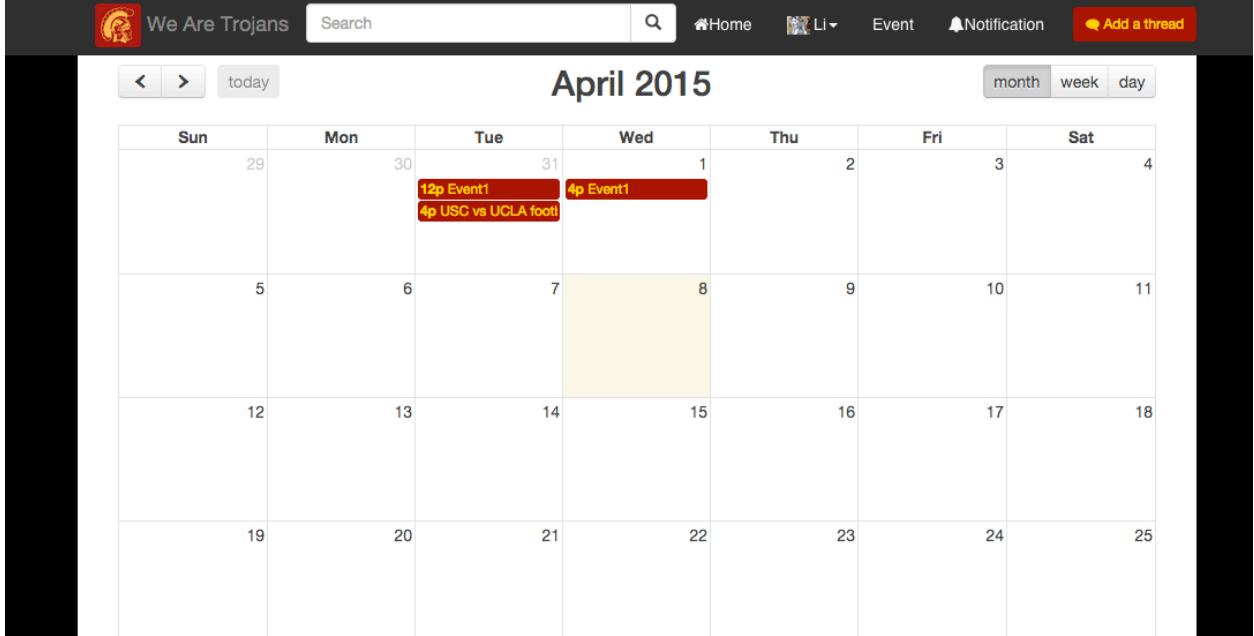


Figure 15: Event page

If there is an event, users could click the event, it shows a pop-up window like following.

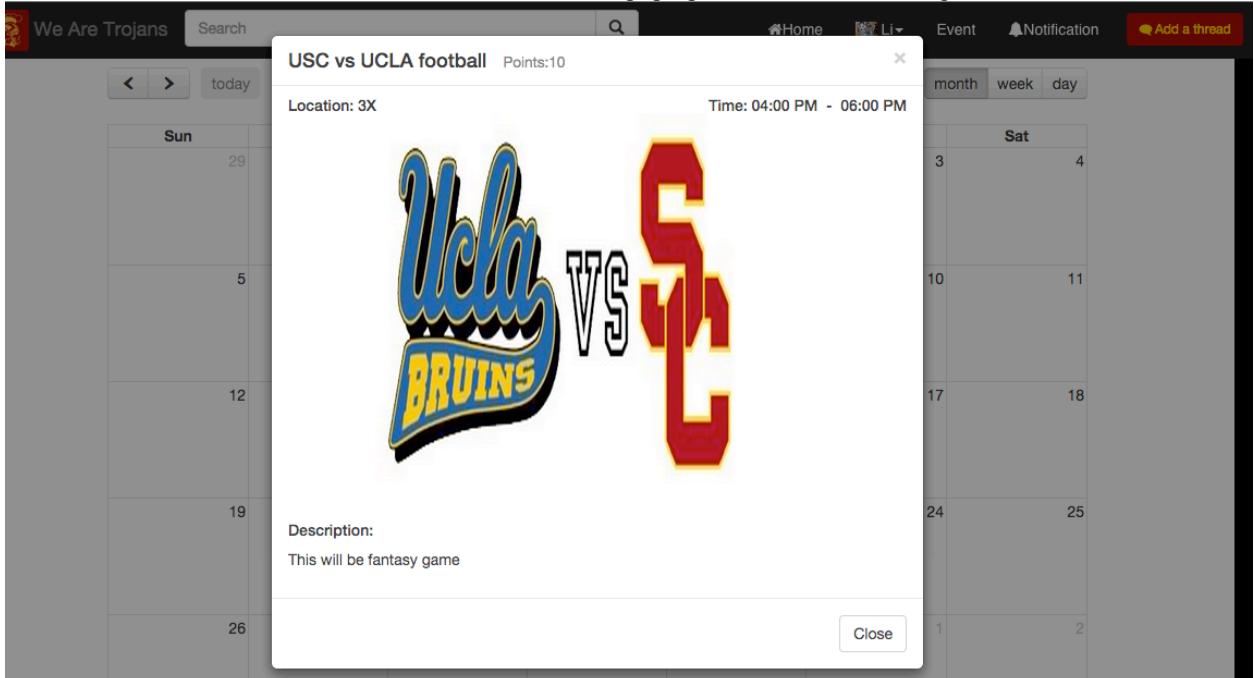


Figure 16: Event pop up window

3.8 Profile

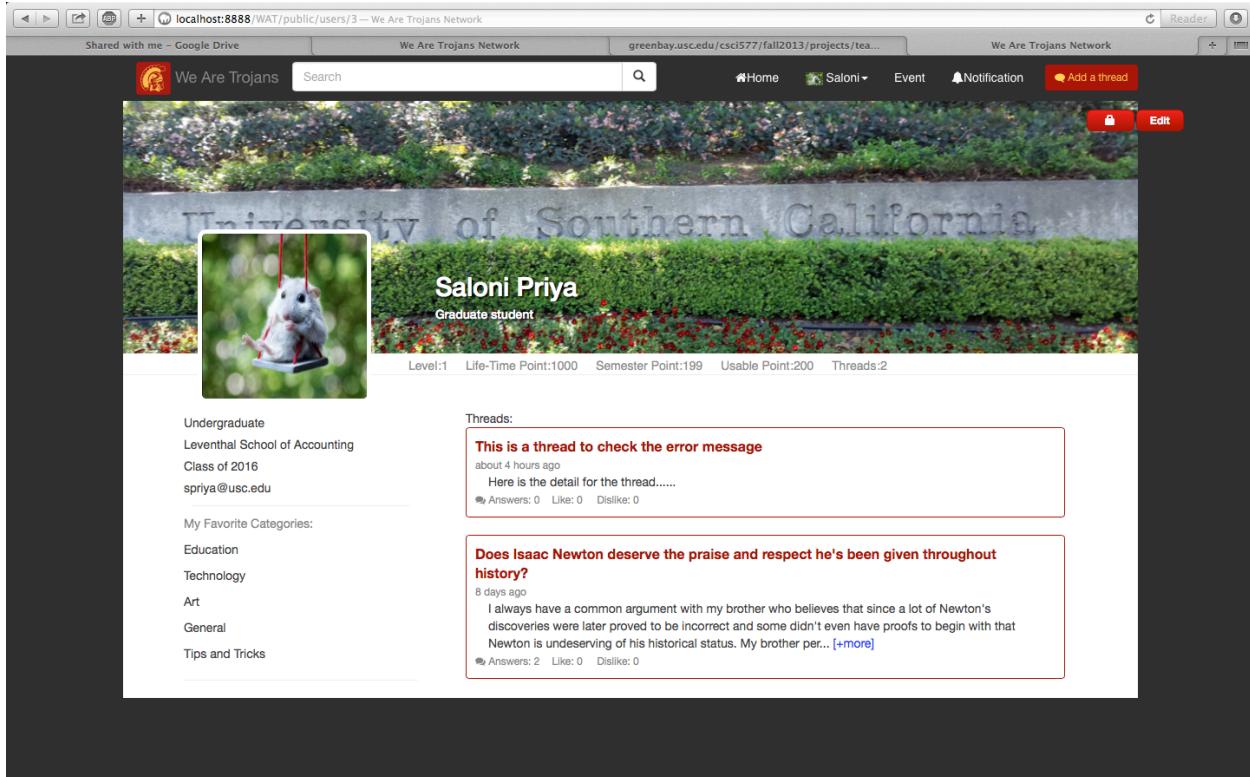


Figure 17: Profile page

User Function:

- User can view his information here. This information is what will be visible to the other user who might view the current user profile.
- User can see details of his recent activity.
- User can click on the particular activity and will be directed to the respective page.
- On Click of the “Lock” icon at the top right corner. A modal (refer Figure 18) will be displayed.
 - User will have the option to change his password.
 - User enters data in the fields and click “Save” to make the update.
 - User have the option to go back to the profile page on click of “Back” button if he wishes not to update this update

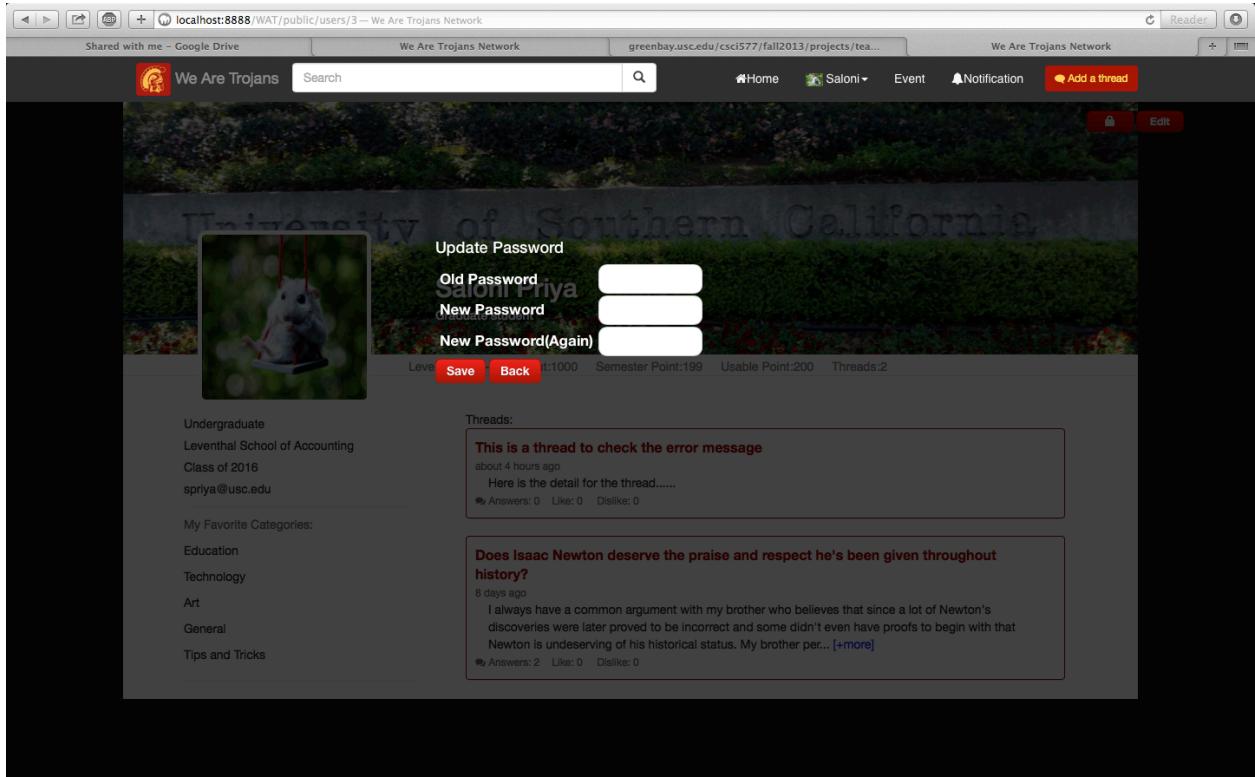


Figure 18: Change Password Modal

- User can click on the “Edit” button at the top right corner to edit the profile information.
 - On click of the “Edit” button user will be directed to the page shown in Figure 19
 - User can click on the Upload Your Profile Picture / Upload Your Cover Picture icon to upload new picture respectively. User will have a pop-up displayed to make the selection.(Refer Figure 19&20).
 - User will click on “Choose File” to select the file to be uploaded.
 - User have the option to crop if necessary.
 - User can click on “Back”, if he does not want to make modifications
 - User can edit necessary information at the right side shown in Figure 19.
 - User will have to either input text in the fields to make selection using the Drop-Down and hit “Save” to make the necessary changes.
 - User have the option to hit “Back” (top right) and go back to his previous step without making any modification to his profile information.

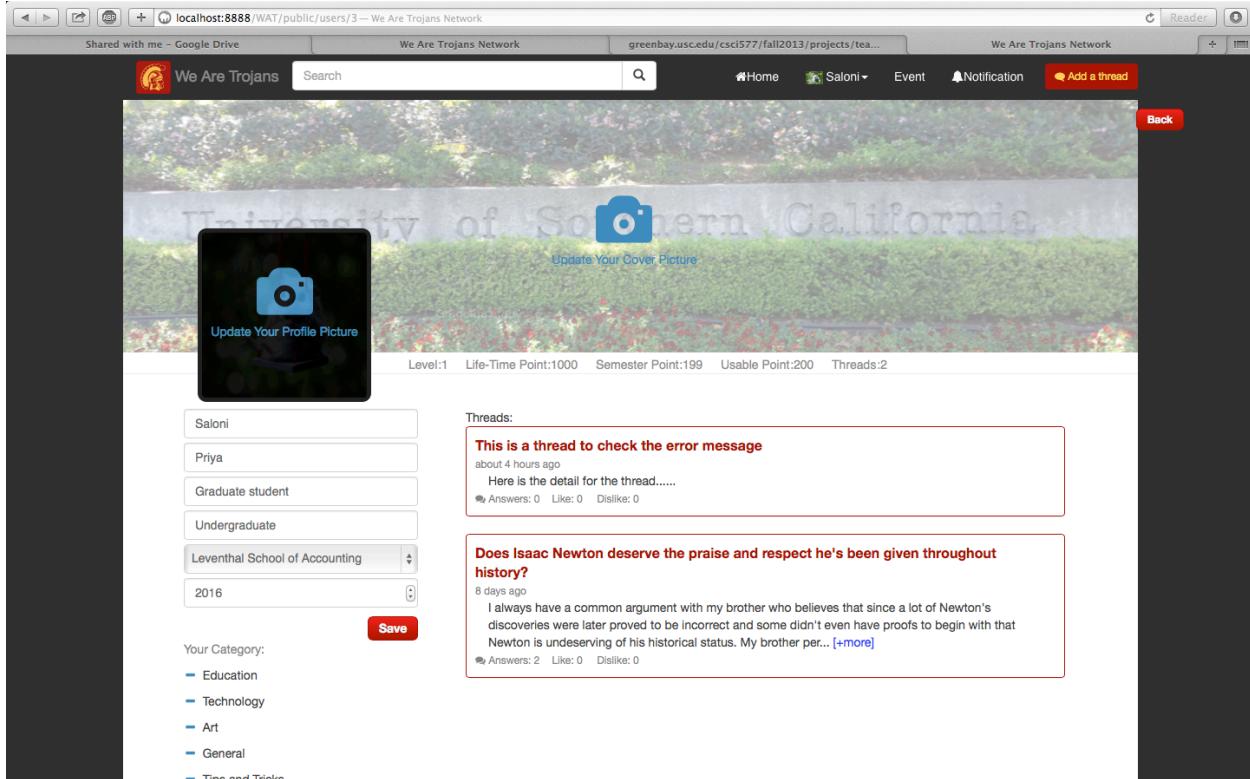


Figure 19: Edit Information Modal

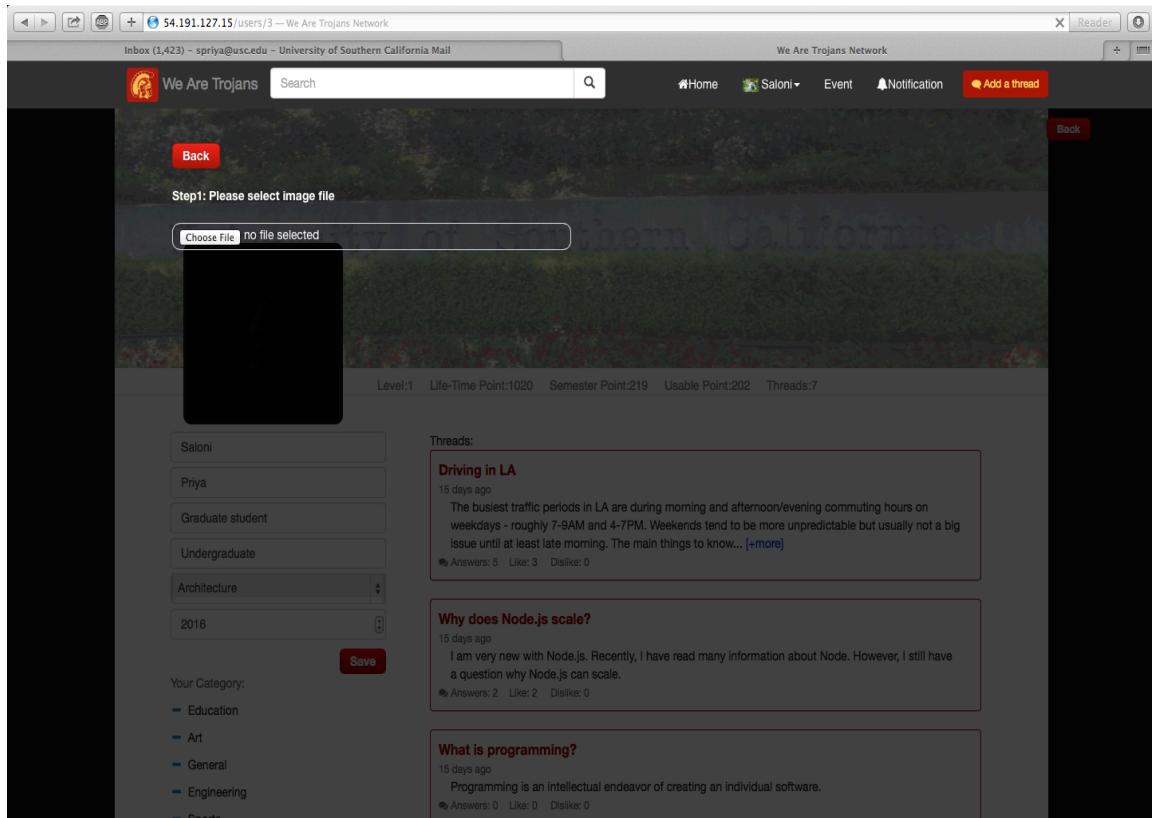


Figure 20: Choose Profile Picture Modal

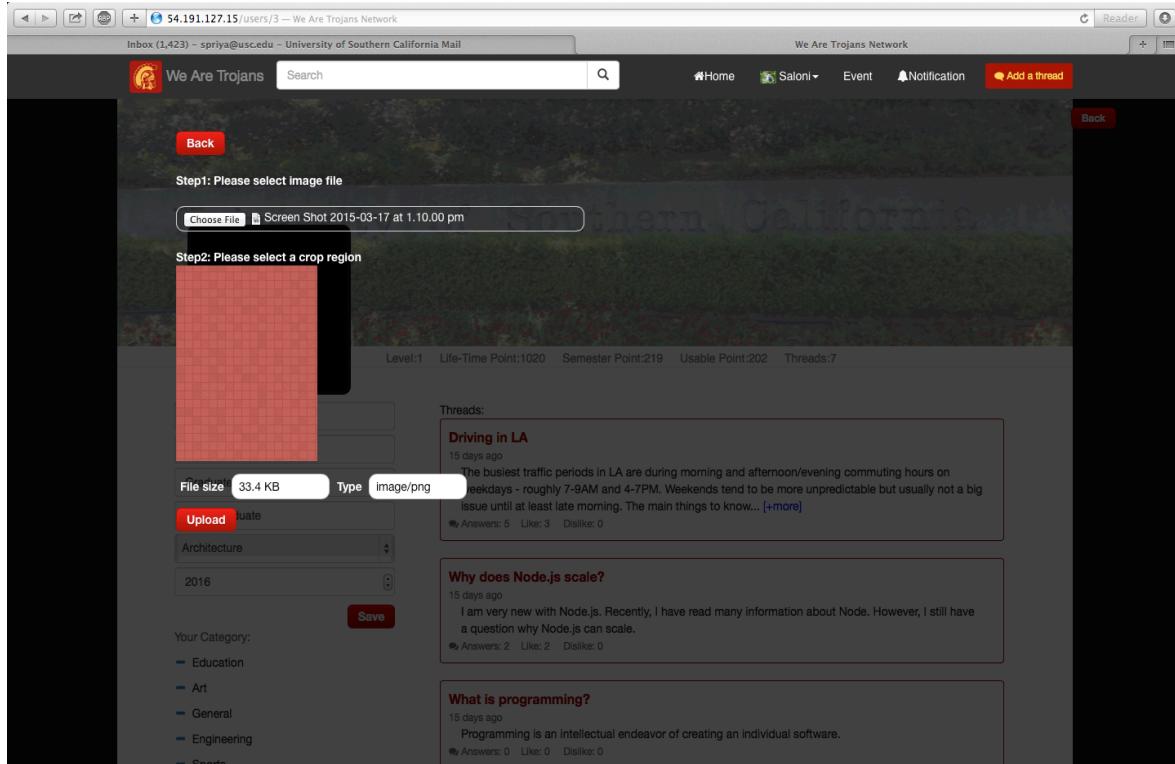


Figure 21: On-click of “Choose File” and making picture selection

3.9 Admin Page

If your role is an admin, you'll see another option on under your profile to go to the admin page.

The screenshot shows the admin page. On the left, there's a sidebar with 'TOPIC FEEDS' and buttons for 'All Threads', 'Hot Threads', 'Education', 'Technology', 'Art', 'General', and 'Traveling'. The main content area shows four threads: 'AAE-Chrome Thread 1', 'AAE-Mozilla Thread 1', 'AAE-Microsoft Thread 1', and 'AAE-Android Thread 1'. Each thread has a title, author, date, an 'Edit' link, and like/dislike buttons. On the right, there's a user profile for 'Kamonphop' with options for 'Profile', 'Admin' (which is highlighted), and 'Logout'. Below the profile, it says 'Your Rank: 8' and lists the user's name and semester point. To the right of the threads is a 'LEADERBOARD Top#10' section with a list of users and their points.

Figure 22: How to access to admin page

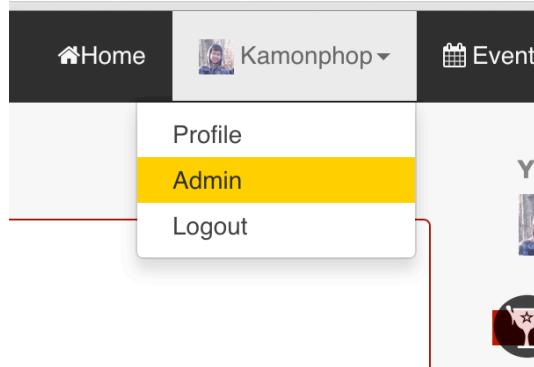


Figure 23: How to access to admin page zoom version

Admin page will show the list of threads or posts that have been reported. The admin can take a look and verify or delete the reported thread/post here

A screenshot of the Admin page. The top navigation bar includes 'We Are Trojans', 'Search', 'Home', 'Kamonphop', 'Event', 'Notification', and 'Add a thread'. Below the navigation, there are tabs for 'Create Event', 'Threads' (selected), and 'Posts'. A specific thread is shown with the title 'Should I drop out of medical school (4th year student) and focus on technology?'. The post content reads: 'I fell in love with web development a year before med school started. Over the years, I've improved and I registered a Company in partnership with someone who's now a graduate of computer science. I'm now sure I won't practice medicine, and I feel confused, whether its a good idea to drop out and focus on technology or just wait a bit or try and enroll in a technology course?'. At the bottom of the post are 'Verify' and 'Delete' buttons.

Figure 24: Admin page thread tab

A screenshot of the Admin page showing the 'Posts' tab. It displays two separate post details. The first post detail is for the second post of the second thread, with the text 'This is the second post detail of the second thread' and 'Verify' and 'Delete' buttons. The second post detail is for the fourth post of the second thread, with the text 'This is the fourth post detail of the second thread' and 'Verify' and 'Delete' buttons.

Figure 25: Admin page post tab

You can create an event to notify everyone on the server here.

The screenshot shows a web-based event creation form. At the top, there is a navigation bar with a logo, a search bar, and links for Home, Kamonphop, Event, Notification, and Add a thread. The main form area has the following fields:

- Event's topic:** party, concert, giveaway
- Location:** 1234 1st Street Los Angeles CA 98765
- StartTime:** mm/dd/yyyy hh:mm
- EndTime:** mm/dd/yyyy hh:mm
- NotificationTime:** mm/dd/yyyy hh:mm
- RewardPoints:** 1, 2, 5, 10, 100
- Event picture:** Choose File (No file chosen)
- Details:** Please put the event details here (with a large text area below)

At the bottom right of the form are two buttons: **Submit** and **Cancel**.

Figure 26: Create event functionality

4. Troubleshooting

4.1 Frequently Asked Questions

Q1. Why do my usable points does not get updated as soon as I receive the notification that someone liked my post/thread?

Ans1: The system updates the usable point in a period of 30days. But you can see the immediate update in your semester points. This feature has been implemented by the application to prevent malicious use.

Q2. How can I use the search feature on mobile, I don't see the pop-up that I normally see in desktop view?

Ans2: For mobile view you need to enter the content you want to search and hit the search icon to direct you to search page and receive the search specific results. Our application follows good UI principles and as per the rules of better UI we have avoided the use of pop-ups in mobile view.

Q3. Why can't I register using any other email apart from @usc.edu?

Ans3: Currently the application is developed for private use only by USC students/faculty/alumni and staff having @usc.edu email address. You need @usc.edu to become a member of WAT Network.

4.2 Error Codes and Messages

Error Message 1:

Error Generated: When user enters either email or password wrong. He would get the error message displayed in Figure 27

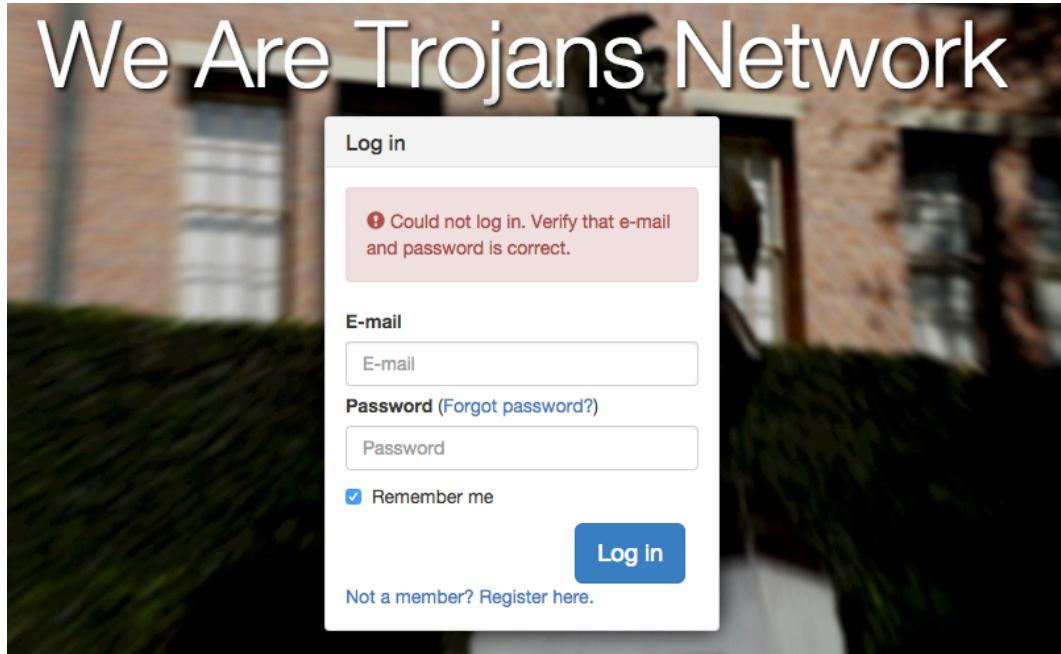


Figure 27: Error message displayed when user entered wrong e-mail/password

Error Message: Could not log in. Verify that e-mail and password is correct.

Action Required: The user needs to enter valid email and password to enter the application. On successful login the user will be directed to the following page shown in Figure 28

Rank	User	Semester Points
1	Punyawee Pakdilying	992
2	Pittawat Pamornchaisirikij	600
3	Li Min	432
4	Eirik Skogstad	432
5	Kamonphop Srisopa	322
6	Suleyman Erten	254
7	Saloni Priya	199
8	Punyawee Pakdilying	146
9	Ameer Ekordy	128

Figure 28: User Directed to Home-Page on log-in success

Error Message 2:

Error Generated: When user clicks on the Sign-up button on the page leaving some fields blank. Refer Figure 29

The screenshot shows a registration form titled "Registration". The form has four input fields: "First Name", "Last Name", "E-mail", and "Password". Each field has a red error message above it: "The firstname field is required.", "The lastname field is required.", "The email must be a valid email address.", and "The password field is required.". Below the form is a green "Sign Up" button and a link "Already a member? Click here".

Figure 29: Error message displayed when user leaves all the fields blank

The screenshot shows a registration form titled "Registration". The "First Name" field contains the value "Deni". The other three fields ("Last Name", "E-mail", and "Password") are empty and have red error messages: "The lastname field is required.", "The email must be a valid email address.", and "The password field is required.". Below the form is a green "Sign Up" button and a link "Already a member? Click here".

Figure 30: Error message displayed when user just enters the First Name

Error Message:**Figure 29**

The firstname field is required.

The lastname field is required.
The email must be a valid email address.
The password field is required.

Figure 30

Error:

The lastname field is required.
The email must be a valid email address.
The password field is required.

Action Required: To register successfully user needs to provide information to all the fields. On success the user will be directed to the page shown in Figure 30. Here the user will have to verify his email to become a member to the system.



Figure 31: The page displayed when user enters correct information for the register

Error Message 3:

Error Generated: When user leave a field blank or does not select any category in the add thread page. Refer Fig 4.3.c.1

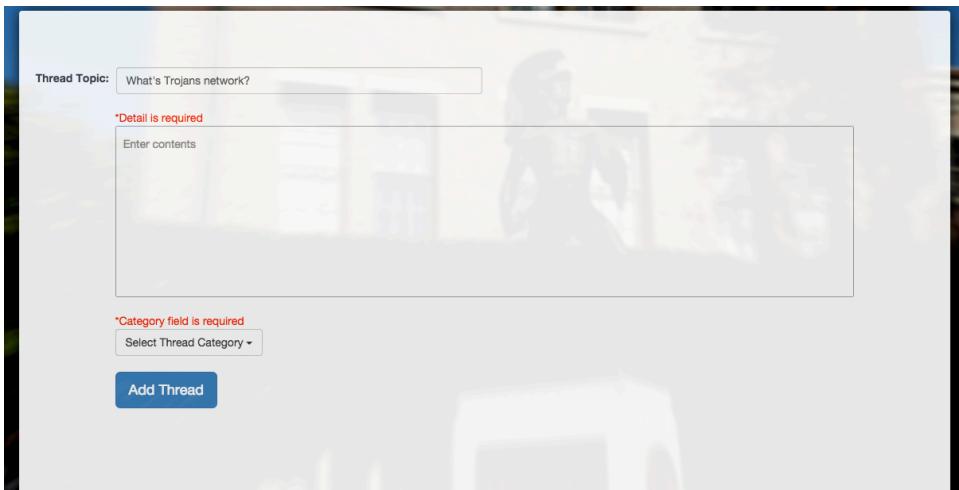


Figure 32: Error message displayed when user does not enter all the required content

Error Message:

If user does not enter Thread Topic:

*Topic is required

If user does not enter Thread Content:

*Detail is required (Generated when field is left blank)

If user does not select the category:

*Category field is required

Action Required: All the fields are necessary. On successfully data entry the thread will be posted on the Q&A Forum and user will be directed to the page shown in Figure 32.

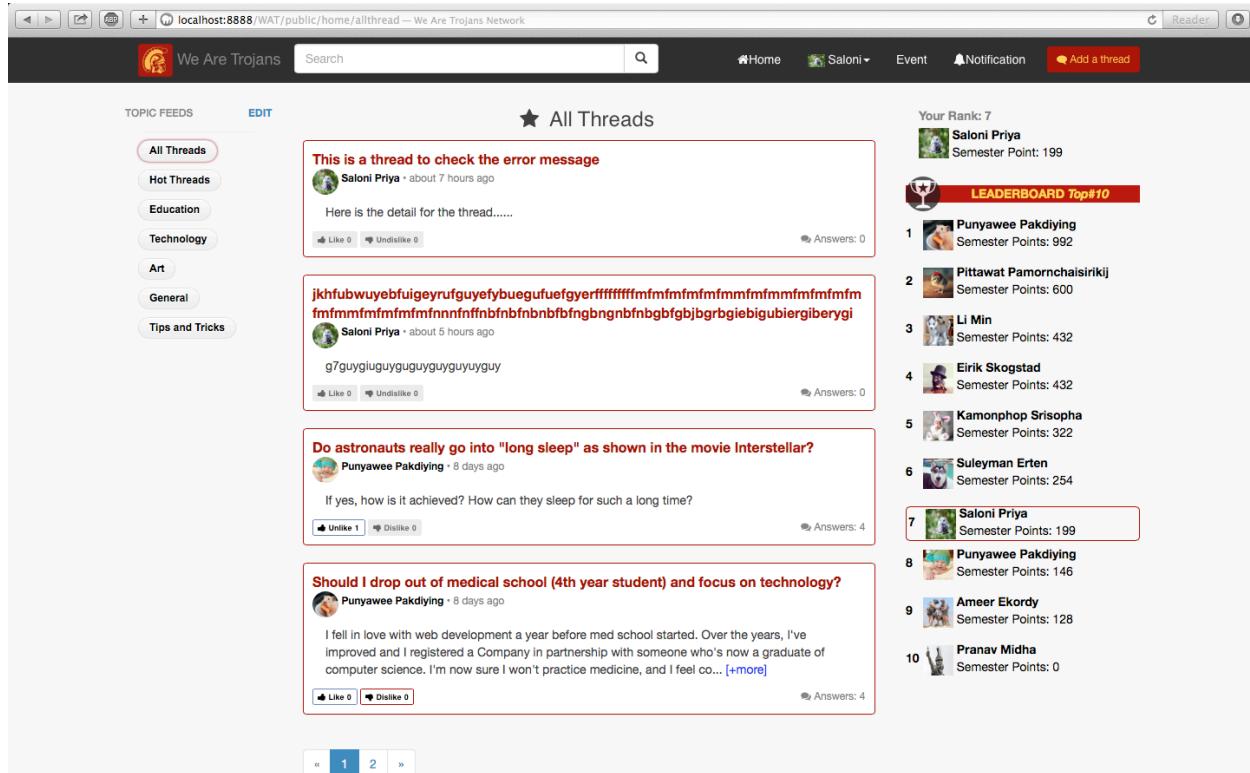


Figure 33: The user thread is posted successfully on the forum page

5. Notes

Abbreviation User:

WAT: We Are Trojans

PHP: Hypertext Preprocessor

URL: Uniform Resource Identifier

Fig: Stands for figure

Fig. Stands for figure

MIT: Massachusetts Institute of Technology
nav: Navigation Bar at the top of WAT application