



# PROTOTYPE

## CS577a Fall 2014 WE ARE TROJANS (WAT) NETWORK Team #1

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# AGENDA

- Evolutionary Prototyping via UI Designing
- An algorithmic approach to solve an issue relating to the core capability

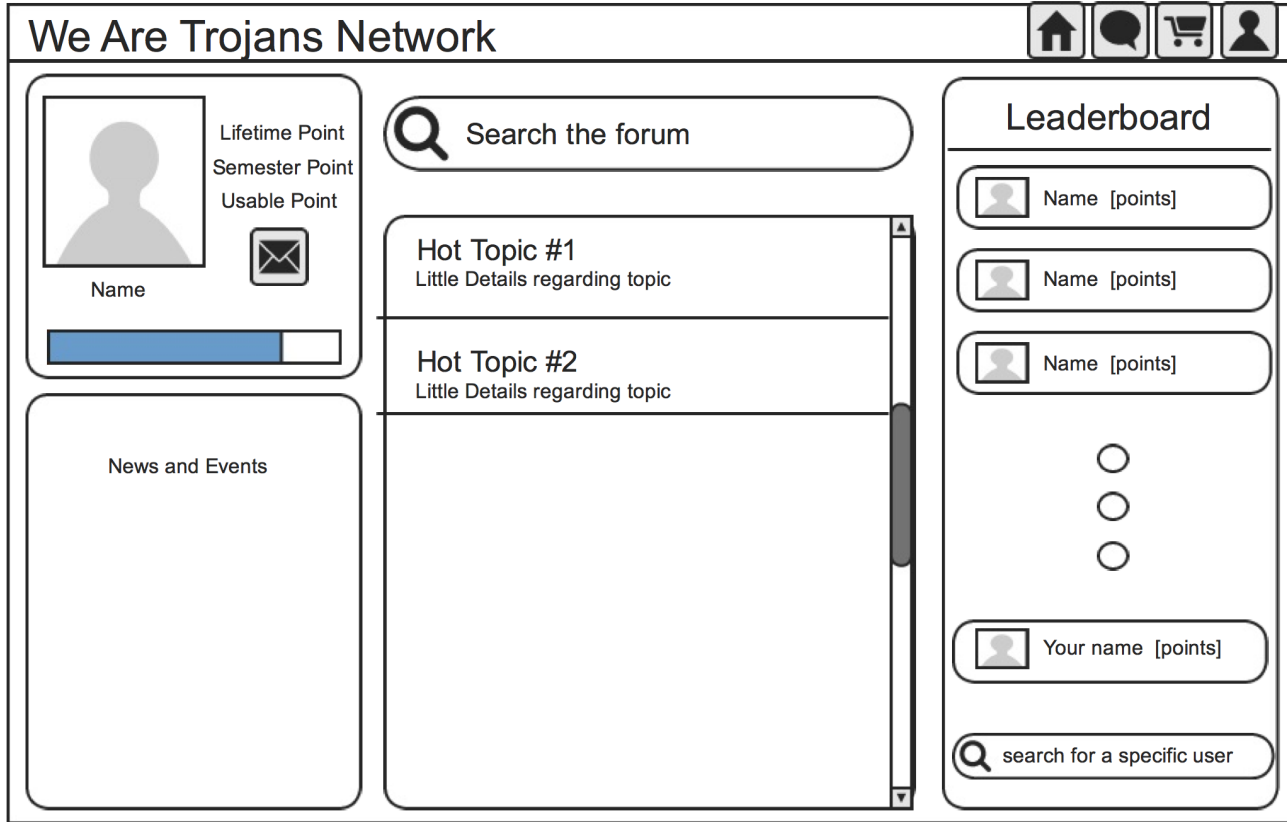


# 1st Risk Identification - User Interface

## Evolutionary Prototyping via UI Designing:

- **Why?**
  - No concrete requirements of the UI
  - Need feedback from the clients
  - Need to enhance the team's understanding of the UI
- **How to mitigate the risk?**
  - Using *Buying information* methodology
  - Demonstrate the UI visually
  - Get feedback from the client

## Home-Page



### Client Requirements:

*(UI should have)*

- Event System/News Feed
- Leaderboard
- Notification System
- Profile
- Redemption
- Search Option

# Forum



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Forum

Name

Add a post

Category

☐ Category 1

☒ Category 2

☒ Category 3

Topic: [How do we register for this class ?](#)

poster 1

100 of Like

3 of Dislike

comments [10]

Topic: [Guys, you can get a discount from starbucks!!](#)

poster 2

[355] Like

[0] of Dislike

comments [10]

## Client Requirements:

(UI should have)

- Categorization
- Q&A Forum
- Like Functionality
- Dislike Functionality
- Search Option

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Change Password

Upload a photo

Lifetime Point : #

Semester Point : #

Usable Point : #

Profile Information

Name : \*

Last Name : \*

Degree :

School :

Area :

E-mail : \*

Mobile Phone :

Address :

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(\*mandatory)

Update Information

Recent Activities

Date	- Activity
10/9/2014 13:24	2 points gained "You can do it this way" comment
7/9/2014 the 14:00	You redeemed 100 of your USABLE POINTS at the Bookstore
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## Client Requirements:

(UI should have)

- Editing Profile Information
- Editing Profile Photo
- Changing Password
- Recent Activities
- Current Points



# 2nd Risk Identification - WAT Points System

An algorithmic approach to solve an issue relating to core capability:

**Why?**

- Crucial feature of the system
- Determine feasibility of the proposed points system
- Create mutual understanding among team members

**How to Mitigate this Risk?**

- Formalize rules of the points system
- Using a Flow Chart Diagram
- Get feedback from the client



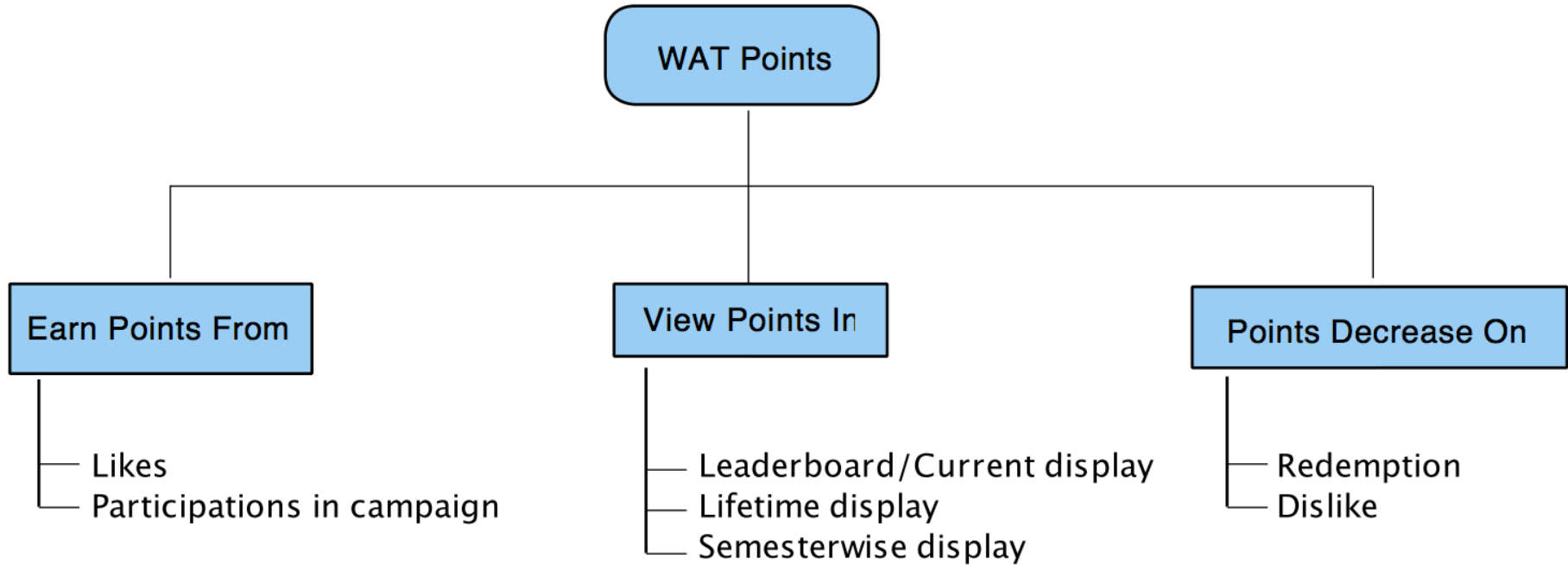
# Points system(WAT Points) overview

Each user has 3 different points

- **Total points (TPoint)**
  - Accumulated lifetime points of a user
  - *Purpose of this point:* Identify the credibility of the user
- **Semester points (SPoint)**
  - Reset every semester
  - *Purpose of this point:* Compete with other user in the system
- **Current points (CPoint) or Usable points**
  - Redeem items from gifts store.



## Work-Breakdown Structure Specific to “WAT” Points Functionality



\* But for gain and lose, it can be different for different point.



# Current Issues

- Requirement: A post can only positively contribute to user points
  - 2 likes, 1 dislike =  $(2 * 2) - 1 = 3$
  - 1 like, 3 dislikes =  $2 - 3 = -1$  but user gets 0 points
- Usable point balance can become negative



# How to calculate Post's points

**Requirement:** A post can only contribute positively to a user's points.

**NL** = Number of Likes

**ND** = Number of Dislike

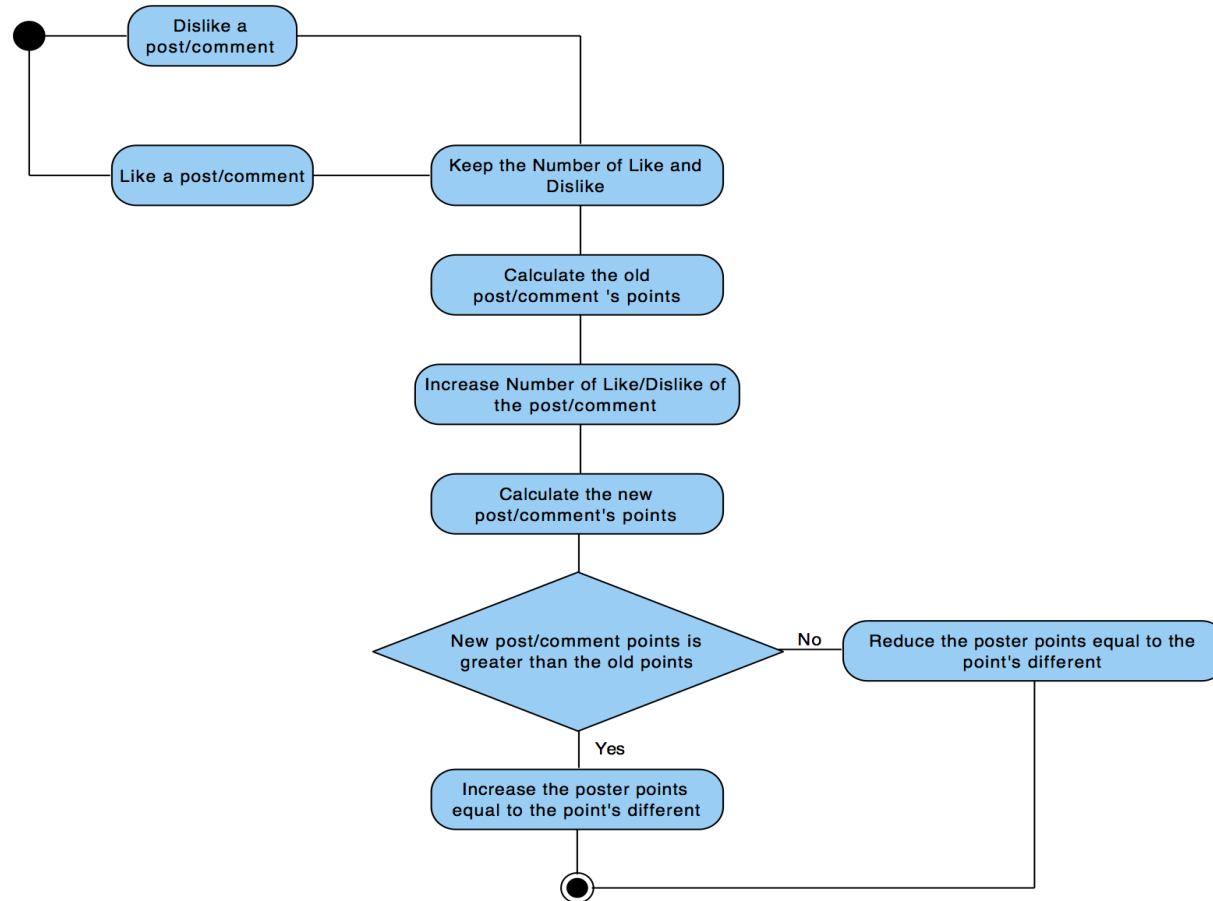
**LV** = Like Value

**DV** = Dislike Value

$$Post's\ Point = \begin{cases} 0 & \text{if } NL \cdot LV - ND \cdot DV < 0 \\ NL \cdot LV - ND \cdot DV & \text{if } NL \cdot LV - ND \cdot DV \geq 0 \end{cases}$$



## Algorithmic Flow-Chart:





# “Usable points” issue

- Use negative points balance?
- Monthly points update?



We Are Ready for you Questions..



Thank You for your Time..