

Black Box Testing: Team Assignment 2

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Black Box Testing

Demo Time: Friday at 12PM

Search Form

Django automatically handles the check and makes sure the user's input is valid for the models. Since the form is a model form, the restrictions similarly apply

User_ID

We will be testing to see if the user's username contains any special characters and those would be disallowed. They would automatically be considered invalid since other the sites the user must connect their account with does not allow this. Everything else is considered valid when it comes to the username.

Input	Output
Tiffnle	PASS
Sample2	PASS
Sample!!	FAIL
@@@#%@!#\$	FAIL

SteamID

Same as username, whatever steam does not allow, it would not be allowed here as well.

Input	Output
Tiffnle	PASS
Sample2	PASS
Sample!!	FAIL
@@@#%@!#\$	FAIL

Region Choices, Team Choices

These are dropdown boxes that the users can choose, and these are the only valid responses allowed. Anything not within these select few answers are automatically disqualified. Django, again, would be handling the user input and we will test to make sure any attempts to input bad data is rejected.

Input	Output
DUOS	PASS
NA	PASS
NOWHERE	FAIL
SQL DROP TABLE	FAIL

Email

It must be a valid email, so anything fake would be automatically failed. Django would handle the validation for this.

Input	Output
FakeEmailButValid@Fake.com	PASS
NotValid@you	FAIL
Notvalid	FAIL

Signup Form

Most of these are handled by Django and goes through their software to make sure the values are valid.

- Username

Will be connected to the search form, so what was written there is a repeat here.

Input	Output
Tiffnle	PASS

Sample2	PASS
Sample!!	FAIL
@@@#%@!#\$	FAIL

- Birthday

Any valid calendar date and not in the future would be considered valid. This is likewise done through Django so it is up to their validation algorithm, but the basics apply.

Input	Output
11/30/1997	PASS
13/19/1997	FAIL
11/60/1997	FAIL
12/8/2018	FAIL

- Password

This is entirely up to the user.

Search Model

- Equivalence Partition
 - formatting and invalid inputs, non-printing characters, lowercase vs uppercase characters (case sensitive or not)
 - 2 separate classes of invalid input. Those that are formatted correctly and those that are not.
- Birthday for user
 - Will be accept abbreviations of months, does it have to be in a specific format
- Email of user
 - Will we check for an invalid email, will we check formatting of email
- Boundary Analysis
 - For invalid input

- Case sensitive: Is UserA and userA the same person?
- Birthday
 - Is February 29, 2015 a valid birthday
- Email
 - Is user@@gmail.com accepted as an email
- Fixed by changing email field of user model to be of type EmailField rather than String

For the test suite, django includes one so it was not necessary and very easy to work with. We will be incorporating a static analysis with pylint, which was not challenging and very easy to do.

Sara and Ogo -- Model (User_board)

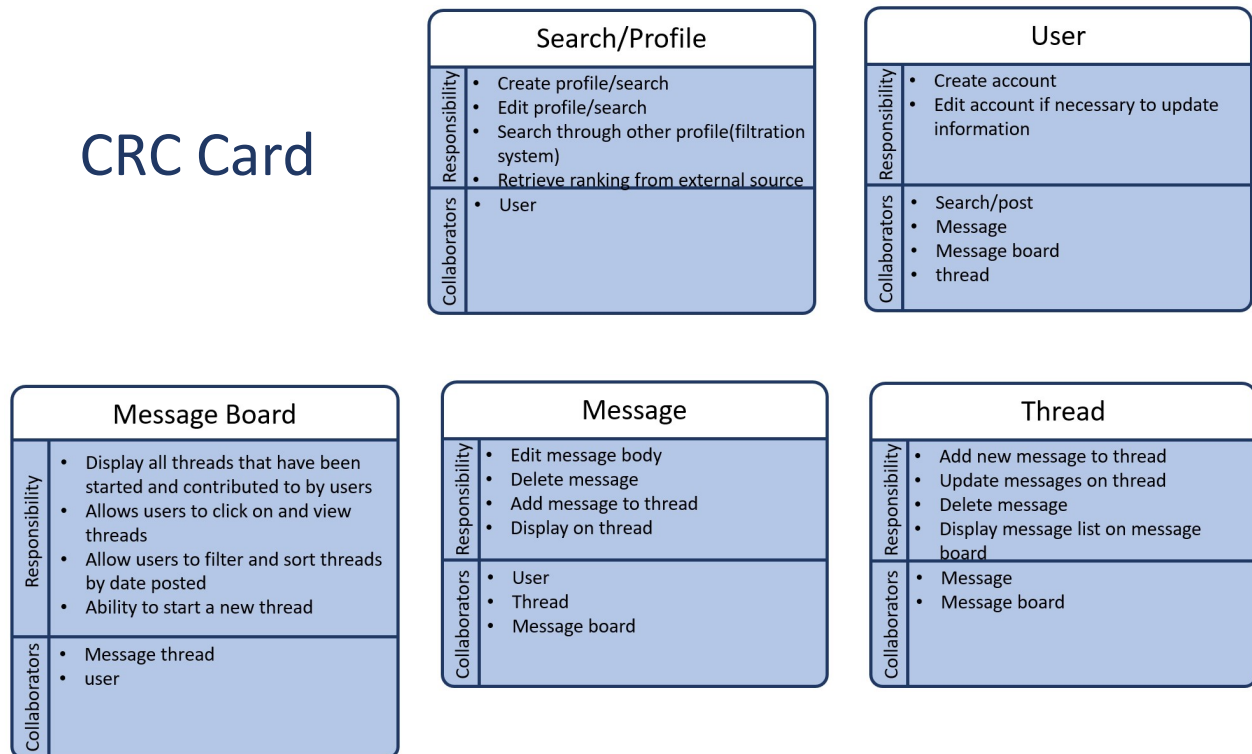
Tiffany and Catherine -- Signup form and Search form

Due to the separate nature of the group work, this document ended up being a bit patchy.

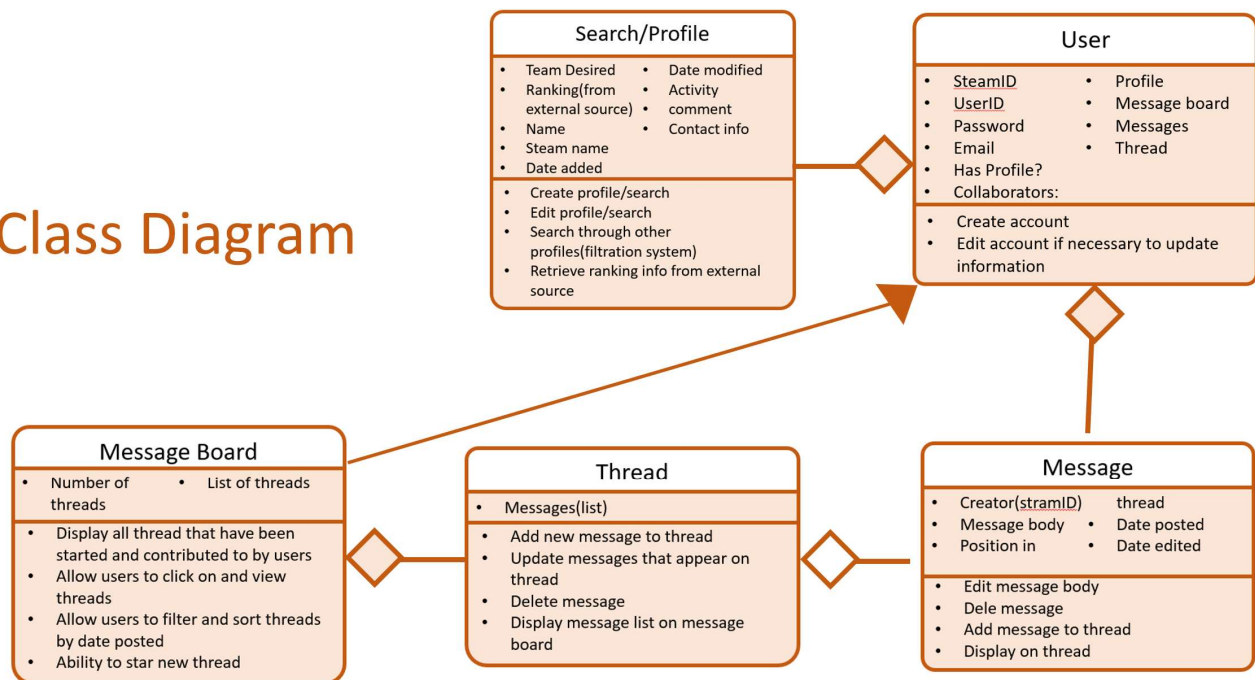
Design: Team Assignment 2

Catherine Zhao, Tiffany Lee, Sara Samuel, Ogo Nwodohe

CRC Card



Class Diagram



All team members contributed to this assignment.

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User Story 1:

As a user, I want to be able to log into the site and post information for others to see in order to look for a team in the game.

User	
Responsibility	<ul style="list-style-type: none">• Create account• Edit account if necessary to update information
Collaborators	<ul style="list-style-type: none">• Search/post• Message• Message board• thread

Search/Profile	
Responsibility	<ul style="list-style-type: none">• Create profile/search• Edit profile/search• Search through other profile(filtration system)• <u>Retrieve ranking from external source</u>
Collaborators	<ul style="list-style-type: none">• User

This user story uses the two CRC cards. It uses the user class to create all the necessary information for the users to see on the search/profile class.

User Story 2:

As a user, I want to be able to add my message to a thread of other users' messages, which will appear on a discussion board, so that other users can see my messages and I can see other users' messages

User	
Responsibility	<ul style="list-style-type: none">• Create account• Edit account if necessary to update information
Collaborators	<ul style="list-style-type: none">• Search/post• Message• Message board• thread

Message Board	
Responsibility	<ul style="list-style-type: none">• Display all threads that have been started and contributed to by users• Allows users to click on and view threads• Allow users to filter and sort threads by date posted• Ability to start a new thread
Collaborators	<ul style="list-style-type: none">• Message thread• user

Thread	
Responsibility	<ul style="list-style-type: none">• Add new message to thread• Update messages on thread• Delete message• Display message list on message board
Collaborators	<ul style="list-style-type: none">• Message• Message board

Message	
Responsibility	<ul style="list-style-type: none">• Edit message body• Delete message• Add message to thread• Display on thread
Collaborators	<ul style="list-style-type: none">• User• Thread• Message board

All team members contributed to this assignment.

Design: Team Assignment 2

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CRC Card

User	
Responsibility	<ul style="list-style-type: none"> Create account Edit account if necessary to update information
Collaborators	<ul style="list-style-type: none"> Search/post Message Message board thread

Search/Profile	
Responsibility	<ul style="list-style-type: none"> Create profile/search Edit profile/search Search through other profile(filtration system) Retrieve ranking from external source
Collaborators	<ul style="list-style-type: none"> User

Message Board	
Responsibility	<ul style="list-style-type: none"> Display all threads that have been started and contributed to by users Allows users to click on and view threads Allow users to filter and sort threads by date posted Ability to start a new thread
Collaborators	<ul style="list-style-type: none"> Message thread user

Message	
Responsibility	<ul style="list-style-type: none"> Edit message body Delete message Add message to thread Display on thread
Collaborators	<ul style="list-style-type: none"> User

Thread	
Responsibility	<ul style="list-style-type: none"> Add new message to thread Update messages on thread Delete message Display message list on message board
Collaborators	<ul style="list-style-type: none"> Message Message board

Profile searches through users, if the user is deleted they no longer can be searched

Users use the message board to interact

Search/Profile	
<ul style="list-style-type: none"> Team Desired Ranking(from external source) Name Steam name Date added 	<ul style="list-style-type: none"> Date modified Activity comment Contact info
<ul style="list-style-type: none"> Create profile/search Edit profile/search Search through other profiles(filtration system) Retrieve ranking info from external source 	

User	
<ul style="list-style-type: none"> SteamID UserID Password Email Has Profile? Collaborators: 	<ul style="list-style-type: none"> Profile Message board Messages Thread
<ul style="list-style-type: none"> Create account Edit account if necessary to update information 	

Message Board	
<ul style="list-style-type: none"> Number of threads List of threads 	<ul style="list-style-type: none"> Display all thread that have been started and contributed to by users Allow users to click on and view threads

Thread	
<ul style="list-style-type: none"> Messages(list) 	<ul style="list-style-type: none"> Add new message to thread Update messages that appear on thread Delete message Display message board

Message	
<ul style="list-style-type: none"> Creator(steamID) Message body Position in thread 	<ul style="list-style-type: none"> Date posted Date edited
<ul style="list-style-type: none"> Edit message body Delete message 	

Thread are in message board. If the message board is deleted so are the threads

Threads are a list of messages, when a message is deleted a thread can still exist

Users can create messages, but once the user is deleted their messages are deleted

All team members contributed to this assignment.