

Ban Info

ITWS-1100 Term Project

Ryan McDonnell

Maya Tung

Idea:

Be able to scan a user and their list of friends to be able to see if they are banned or anyone on their friends list is banned.

Existing applications:

<https://www.vac-ban.com/> shows recently banned accounts and a graph of bans per day but does not show you bans on your friends list or a mutual friend's list. Otherwise no other known similar applications.

Focus areas:

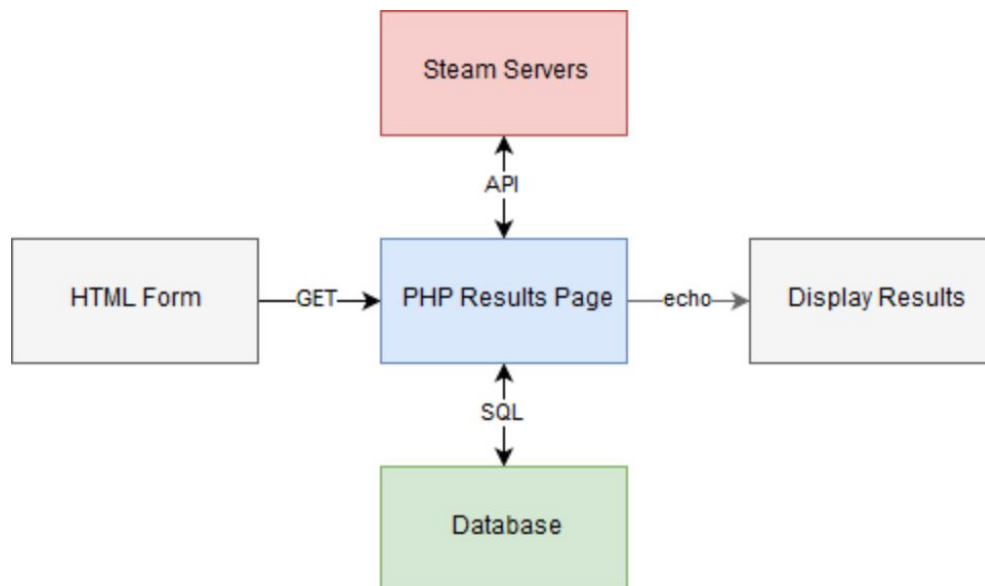
We chose a blend of focus areas 3, 4, and 5 since they are closely related and needed for what we want to do. That is we are pulling data from a database that then returns a JSON file that we pull data from and put into our own database. We then read our own database to perform analysis on the gathered data.

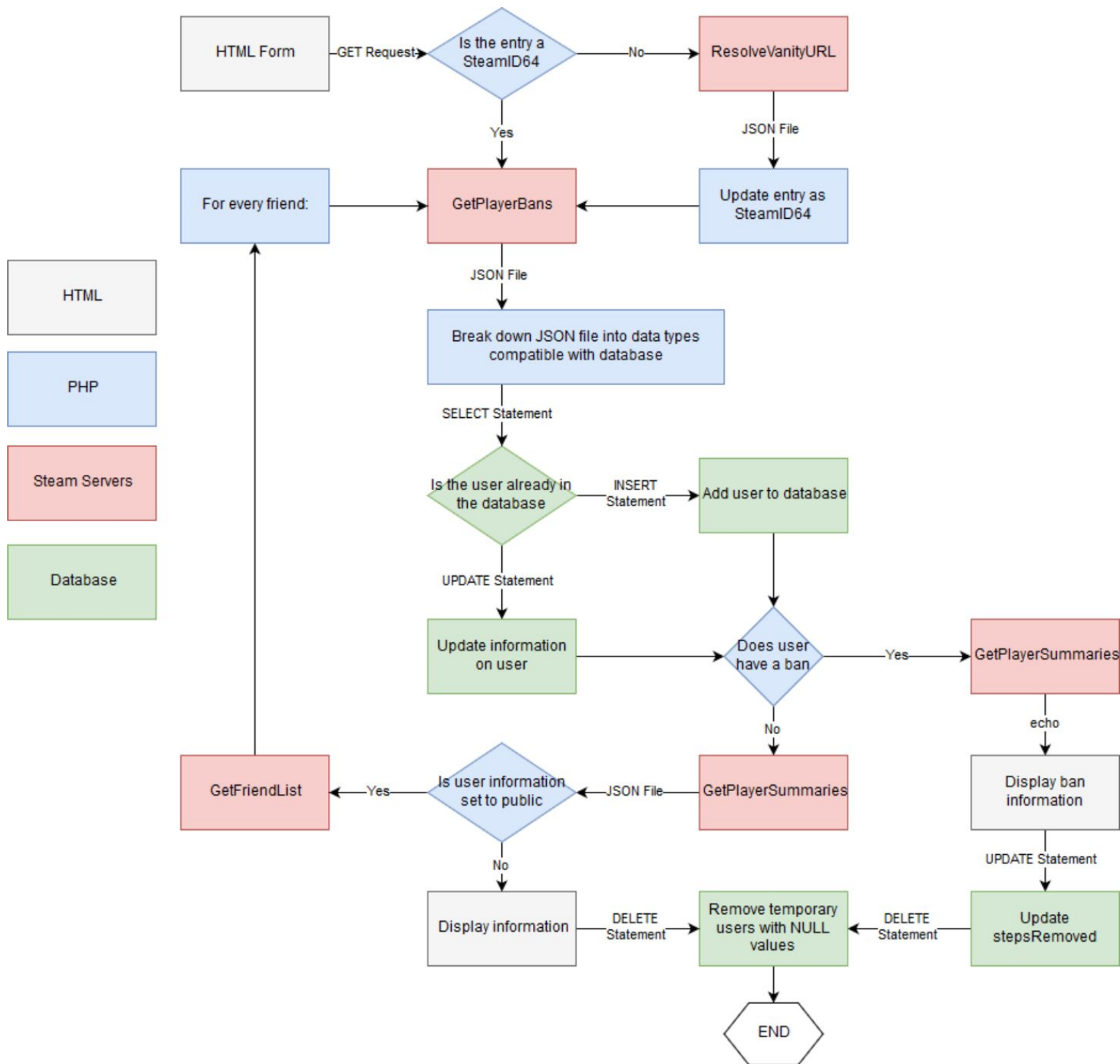
Information Architecture:

The main page of the website will parse a user input, in the form of a SteamID, a Steam Community ID, or a Steam Vanity URL. Using Steam's Community ID equation or Steam API's ResolveVanityURL, the latter 2 options will be converted into a SteamID. This ID will be passed as an argument through Steam API's GetPlayerBans and GetFriendList to return JSON files that contains information on their bans and their friends. Then, each of these friends will be analyzed using GetFriendList. Every person's ban data will be recorded as this is happening, to be uploaded to a database for larger scale analysis. The website will now display information on the user and their friend's bans, using chart.js. Another page will be available to display large scale results based on the information stored in the database. This will be nearly identical to the small scale display at the end of every search, except larger scale and no user input required.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	steamid64	bigint(20)	UNSIGNED	No	None			Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	2	banCount	tinyint(3)	UNSIGNED	No	0			Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	3	gameCount	tinyint(3)	UNSIGNED	No	0			Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	4	communityBan	tinyint(1)		No	0			Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	5	economyBan	tinyint(1)		No	0			Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	6	stepsRemoved	tinyint(3)	UNSIGNED	Yes	NULL			Change Drop Primary Unique Index Spatial Fulltext More

<div><div>←</div><div>→</div></div>			steamid64	banCount	gameCount	communityBan	economyBan	stepsRemoved
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561197972993051	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198009307877	1	0	0	0	0	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198028579245	0	1	0	0	0	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198035716600	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198040187503	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198040911313	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198054213712	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198061324597	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198075390513	1	0	0	0	0	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198141396492	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198142375735	0	0	0	0	1	
<input type="checkbox"/>	<div><div><div><div></div><div></div><div></div></div></div><div>Edit</div><div><div><div></div><div></div><div></div></div></div><div>Copy</div><div><div><div></div><div></div><div></div></div></div><div>Delete</div></div>	76561198187786693	1	1	0	0	0	





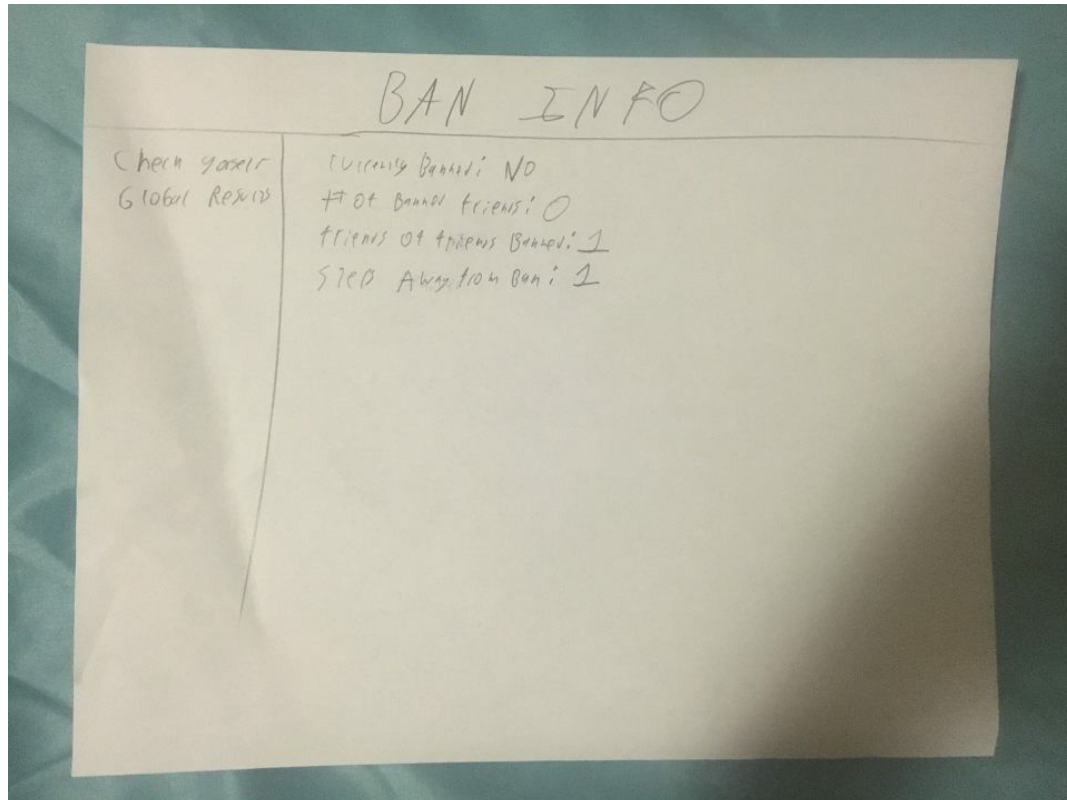
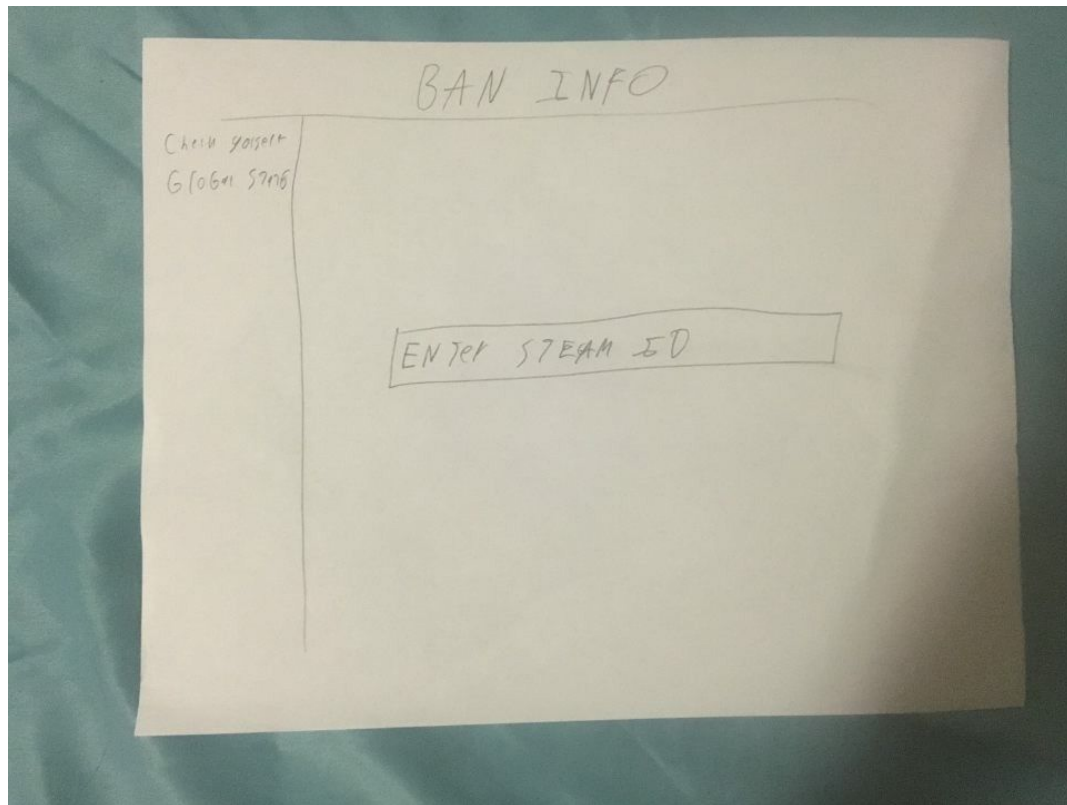
Future improvements:

We could add functionality to scan entire friend networks breadth first to get a more complete picture how far away a ban is. Along with storing statistics and analyzing them (average steps removed, number of people banned, etc). Additionally we could Analyze more statistics (average number of friends, games, achievements, etc). Lastly we could make the ui and web pages more attractive.

Github repo:

<https://github.com/mcninja97/iitTermProject> (currently set to private)

Low-fi mockup:



Working model:

Are They Vac-ed?

Homepage	Statistics	About/Contact Us
Steam ID		
<input type="text" value="Jade_Vanadium"/>		
<input type="button" value="Submit Query"/>		

Are They Vac-ed?

Homepage	Statistics	About/Contact Us
--------------------------	----------------------------	----------------------------------

You are 1 step(s) away from a banned user

Banned user: TickL



Details:

1 VAC ban(s)

Are They Vac-ed?

Homepage	Statistics	About/Contact Us
--------------------------	----------------------------	----------------------------------

0 users are sufficiently removed from banned users

80 users are banned

131 users are 1 step removed from a banned user

8 users are 2 steps removed from a banned user

0 users are 3 or more steps removed from a banned user