'Fennec' Defect Log

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Product	Web Module Design Inspection		
Date	02/11/2016		
Author	Mitch		
Defect #	Description	Severity	How corrected
1	Color was initially RGB, but RGB format is difficult to parse by the server	3	We turned the color field into hex to make the field easier to parse
2	Chat and playlist views would be useless when no station is chosen	3	Chat and playlist are now hidden when a station is not visible
3	Playlists would not be visible at all under the original UI plan	1	The 'LeftBar' was changed to hold playlists instead of other stations.

Product	Fennec Chat Module Design Inspection		
Date	02/11/2016		
Author	Shawn, Joe, Michael		
Defect #	Description	Severity	How corrected
4	Moderators can abuse their power easily while contributing little to nothing to the chatroom	3	We decided that moderators were unnecessary
5	Users could enqueue videos that no one else wants to watch or enqueue the queue with the same media item many times.	2	We decided to give admins the ability to remove a user's ability to add items to the queue or kick a user. Users can initiate a vote to do the same if they desire.
6	The chat server and RESTful API shared the same socket, so there was a conflict and crash when attempting to bind to the same	1	The RESTful API was given a different socket.

	socket.		

Product	Crawler Design Inspection		
Date	02/11/2016		
Author	George		
Defect #	Description	Severity	How corrected
7	Our website needs to display the video owner and the video title when a user searches for them. But, YouTube Data API by default does not return video owner.	2	When the crawler sends request to the YouTube server, it explicitly states to include snippet metadata on return.
8	Soundcloud thumbnails and descriptions were not originally returned,	2	Our Soundcloud api was modified to also send thumbnails and descriptions

Product	Backend Design Inspection		
Date	02/11/2016		
Author	Tim, John		
Defect #	Description	Severity	How corrected
9	Storing user login information for a potentially large amount of users would overload our small server	3	Redesigned user system: no login required, only screen names
10	HH:MM:SS timestamp for station creation can be inconsistent across platforms and affect sorts	2	Changed station creation timestamp to epoch for consistency

Code Inspection

Product	Web Module Code Inspection		
Date	02/11/2016		
Author	Mitch		
Defect #	Description	Severity	How corrected
11	The search window is not centering correctly, despite being given code to center	3	CSS is very strange, and a CSS3 transform based center was required
12	The page is overflowing off of the body of the page	3	The calc() operation was used to change the page to be 20px short of the full height of the page, which ends up being the full height of the page.

Product	Fennec Chat Module Code Inspection		
Date	02/11/2016		
Author	Shawn, Joe, Michael		
Defect #	Description	Severity	How corrected
13	The chat bot can disconnect from the channel after a certain point in time.	2	We created a doubly infinite loop to keep the connection process persistent until station termination.
14	Chat messages do not distribute to all users in the correct channel	1	Corrected data structures to keep accurate detail of all users for specific channels
15	Users can kick themselves and people that are being voted to be kicked can vote against themselves	2	A check was added to make sure that the user that is being kicked is not the same as the user that started the vote or is the target of the kick.

Product	Crawler Code Inspection		
Date	02/11/2016		
Author	George		
Defect #	Description	Severity	How corrected
16	Giving the crawler invalid parameters can cause the entire server to crash	1	The crawler was made robust by ensuring that the parameters are appropriate before doing anything else
17	The crawler could crash if a YouTube video does not have high quality (hq) thumbnail because the code assumes there is one and tries to grab the link to it.	1	It was fixed by checking the list of the video's thumbnails. The crawler would grab the best one, depending on the availability of hq, mq, and normal thumbnail images.

Unit Testing

Product	Fennec Chat Module Unit Test		
Date	02/11/2016		
Author	Shawn, Joe, Michael		
Defect #	Description	Severity	How corrected
18	Blank chat messages are distributed to all users in the channel as if it were a normal message.	2	Added special case to prevent blank messages from sending
19	The chat bot doesn't interpret messages sent in clusters over a short period of time.	1	Receiving messages was reworked into batches to maintain message order.
20	Messages to kick a user sent by the admin start a vote to kick the user instead of automatically kicking them.	1	Fixed the special case check to see if the user initiating the kick is an admin.

Product	Crawler Unit Testing		
Date	02/11/2016		
Author	George		
Defect #	Description	Severity	How corrected
21	A user can call the crawler endpoint url without providing any parameters but returns OK	2	Check python's requests.args.get() is not None
22	A user can call the crawler endpoint url with inappropriate inputs for parameters	3	Manually check the parameters

Product	Backend Unit Testing		
Date	02/11/2016		
Author	Tim, John		
Defect #	Description	Severity	How corrected

| 23 | Server hangs up after one call to the add endpoint and one call to the next endpoint | 1 | Saved the dequeued object then called the attributes in the JSON object instead of calling get() per attribute of the JSON object |