

# ChatSchoolette

## Design Inspection, Code Inspection, Unit Testing

**Team 1:** Logan Gore, Kyle Rodd, Sang Rhee, GeonHee Lee, Stephen Hong, Tyler Springer

### Design Inspection

Product	ChatSchoolette Authorization Module		
Date	2015-10-14		
Author	GeonHee Lee		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
	<b>(No changes have been made to the authorization module this sprint, so no issues were found right now)</b>		

Product	ChatSchoolette Account Module		
Date	10-14		
Author	Sang Rhee		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	User was able to make another account with same email address	1	Add one more attribute on user database table that if user has been banned before
2	Users can have infinitely many message in his inbox	2	Limit the maximum number of message per user account by deleting old messages in user's inbox

3	User receive the message from another user that user has not approved to be friend.	3	Check before send the message if both users are friend to each other
4	When users change their account information, they can also change email address.	1	Remove the email address textfield/make it non editable, when user edits account information

Product	ChatSchoolette Administration Module		
Date	2015-10-14		
Author	GeonHee Lee		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	Admin can not access to specific user's chat log	2	Grant admins an authorization to read specific user's chat log
2	Admin must able to delete a certain message that he wants to delete	2	Grant admin an authorization to access messages sent from any users. Once admin finds out an inappropriate message sent, admin must be able to delete the message.
3	Admin user can not access to user's message log	2	For security purpose, allow admin to read the inbox of user

Product	ChatSchoolette Chat Module
Date	
Author	Sang Rhee

Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	Chat room becomes slow and lagging once users send too many message for a long period of time	2	Make 'clear chat history' button to make pleasant environment on chatting
2	Send message text field is too small that users can't see all messages he typed before sending	2	Make send message textfield as a dynamic textfield that it automatically enlarges its size whenever message is getting longer
3	User can not quit from the chat unless he exit the whole website	1	Make quit button at the bottom of the chat room that users can quit the chat whenever they want.
4	Chatting room must be completely disappear when both user quit	1	kill the chat room instance from the server once both user quit the chat room

Product	ChatSchoolette Front-End Module		
Date	2015-10-14		
Author	Tyler Springer		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	No indication of ability to click on object.	3	Added some attributes that allow for change in cursor when hovering over object.
2	Bullet points left next to list items in unordered list.	3	Added some CSS values that removed them.

3	One of menu options didn't change color on hover.	3	Modified CSS to allow for changes when hovering over menu option.
4	Changed Label of button for logging in from register to login.	2	Could possibly confuse members coming to sign in.

## Code Inspection

Product	ChatSchoolette Authorization Module		
Date	2015-10-14		
Author	Logan Gore		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
	<b>(No changes have been made to the authorization module this sprint, so no issues were found right now)</b>		

Product	ChatSchoolette Account Module		
Date	2015-10-14		
Author	Logan Gore		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	Viewing friends list has undefined behavior if user has zero friends	2	Return an empty list [] if the user has no friends, that way page can still load
2	(Security vulnerability) API call	1	Within controller for

	to send message to a "friend" doesn't actually check that the user is a friend		sending messages to friends, make sure that the sending user is actually friends with the target.
3	(Security vulnerability) User can actually change account details of another user if they change the hidden form field before submission.	1	Instead of using a hidden form field, use the global current_user object available within flask templates.

Product	ChatSchoolette Administration Module		
Date	2015-10-14		
Author	Logan Gore		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	(Security) Banned users can simply recreate their account	1	Add banned users to a "banned user list" so we will reject their application for a new account.
2	Administrator can ban him/herself from the site...	2	Don't allow admins to ban themselves from the site (add a check in the controller)
3	User warnings look just like other chat messages from friends list	3	Highlight messages from the system so they stand out to the user

Product	ChatSchoolette Chat Module		
Date	2015-10-14		
Author	Stephen Hong		

Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	If two users decide to stay connected and do not chat, it stay socket opened indefinitely, making our server use more resources than needed.	1	If socket has been idling for more than 10 minutes, force connections to be closed, to free up some resources.
2	If user is already in chat session, do not allow another user to send chat initiation.	1	If user is in session, it should be marked on the backend.
3	If user type more than 140 characters, server would only send the first 140 characters	2	Change our database schema. Change datatype from string to text for longer text storing.

## Unit Testing

Product	ChatSchoolette Authorization Module		
Date	2015-10-14		
Author	Tyler Springer		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
	<b>(No changes have been made to the authorization module this sprint, so no issues were found right now)</b>		

Product	ChatSchoolette Account Module		
Date	2015-10-14		
Author	Kyle Rodd		

Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	"Forgot password" button wouldn't always result in a successful email sent, such as an invalid email.	2	Inform user if the email was unable to get through.
2	Invalid email addresses (not of structure <a href="#">name@univerity.edu</a> ) could still register.	1	Check email for the required .edu and send confirmation email.

Product	ChatSchoolette Administration Module		
Date	2015-10-14		
Author	Tyler Springer		
Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	Failed to send email when banning a user.	2	Set up response to when a user is banned , the admin is messaged for the user being banned and reason.
2	Admin can ban himself.	2	Limit choices for admin when banning user to specific options.
3	Admin can't recover forgotten password.	2	Allow for admin to recover password by modifying Get/Post.

Product	ChatSchoolette Chat Module		
Date	2015-10-14		
Author	Kyle Rodd		

Inspectors	ChatSchoolette Team		
Defect #	Description	Severity	How Corrected
1	While chatting, the user loses connection to the server.	1	Upon losing connection, try to reconnect to the server and display a lost connection error.
2	If no camera is found, the screen shown to the partner is black.	2	If no camera can be detected, the user is not allowed to chat and an error message is given.