Cafe

userChange(UserProfile | undefined)

Input: userChange takes a new profile for the user using comment anywhere, such as resulting from a log-in. It can take no value, or undefined, to effectively log the user out.

Output: userChange is called on a log in, a log out, and at all other times when user data changes (such as updating their profile blurb). It calls loadProfile on the State object and passes that state to other objects that may need to change what is visible if the users access level has changed.

pageChange(string)

Output: pageChange is called when a user navigates to a new page. It tells the fetcher to fetch comments.

Returns:

changeState(string)

Input: A string corresponding to the new state key.

Output: changeState updates the viewing field in the state object and passes the state to the navbar so that it may render the new state.

checkForResponses()

Output: checkForResponses is called as a callback after every fetch. The server responses array is retrieved from the fetcher and passed to the dispatcher, along with a reference to cafe so the dispatcher can call the correct methods to realize the information retrieved from the server.

stateChangeEventReceived()

Output: stateChangeEventReceived listener is called when a user performs an actions that causes a state change. It parses the event and calls changeState to realize the change.

clientEventReceived()

Output: clientEventReceived is called when an event is picked up that reflects an action performed by the user that requires server communication. It calls fetcher.fetch with the data from that event.

settingEventReceived(Settings)

Input: A new Settings object.

Output: settingsEventReceived is called when a user changes their settings, such as when they change whether comments are sorted by ascending or descending. It updates the settings object with the new data and tells the appropriate objects to update their displayed data based on the new settings.

Fetcher

fetch(string, communication entity, Function)

Input: A string corresponding the correct API endpoint and a client-server communication entity associated with that endpoint.

Output: Fetch dispatches the HTTP Request to the endpoint, stores responses in the responses member of fetcher, and calls the callback function when complete.

getAndClearResponses()

Output: Clears the responses member of fetcher.

Returns: The data in the responses member of fetcher (an array of server responses).

State

loadProfile(UserProfile | undefined)

Input: A UserProfile to load or nothing, to clear the user.

Output: Changes the ownProfile member of State.

setViewingTo(string)

Input: A string representing a state key.

Output: Changes the viewing member of State to the parameter value.

CafeNavbar

commentsButtonClicked()

Output: commentsButtonClicked is called when commentsButton is clicked. It will cause the state to transition.

settingsButtonClicked()

Output: settingsButtonClicked is called when settingsButton is clicked. It will cause the state to transition.

modButtonClicked()

Output: modButtonClicked is called when modButton is clicked. It will cause the state to transition.

adminButtonClicked()

Output: adminButtonClicked is called when adminButton is clicked. It will cause the state to transition.

loginButtonClicked()

Output: loginButtonClicked is called when loginButton is clicked. It will cause the state to transition.

registerButtonClicked()

Output: registerButtonClicked is called when registerButton is clicked. It will cause the state to transition.

logoutButtonClicked()

Output: logoutButtonClicked is called when logoutButton is clicked. It will cause the state to transition.

setFromState(State)

Input: A State Object

Output: setFromState causes buttons to show and hide depending on whether the user is logged in, what their access level is, and what state they are in. It also changes the currentlyViewing member to the appropriate CafeWindow and hides all other windows.

displayMessage(Message)

Input: A Message object.

Output: displayMessage shows the data in the parameter Message in the globalMessage member of CafeNavBar; this member is used to display a variety of general messages the server wants the client to see.

Dispatcher

dispatch(serverResponse[], Cafe)

Input: An array of server responses and an instance of Cafe.

Output: Dispatch uses the "t" field of the ServerResponse to determine what kind of information is contained in the "d" field. The "t" field determines which Dispatcher method is next called, and the object which will render the data is retrieved using the parameter reference to Cafe.

dispatchMessage(Message, CafeNavbar)

Input: A Message and a CafeNavBar.

Output: dispatchMessage calls displayMessage on the CafeNavbar object.

dispatchUserUpdate(UserProfile, Cafe)

Input: UserProfile data and the Café root object.

Output: dispatchUserUpdate calls userChange on the Cafe root object to change state reflecting any changes that may have happened to the User and to change what is visible on their profile.

dispatchFeedbackUpdate(FeedbackRecord, FeedbackReportSection)

Input: A FeedbackRecord and a FeedbackReportSection.

Output: dispatchFeedbackUpdate calls updateFeedback on a FeedbackReportSection.

dispatchCommentUpdate(Comment, CafeCommentsWindow)

Input: A Comment with data and a CafeCommentsWindow that will be instantiating and displaying the CafeComment.

Output: dispatchCommentUpdate calls updateComment on a CafeCommentsWindow

dispatchComments(Comment[], CafeCommentsWindow)

Input:

Output: dispatchComments calls populateNewComments on a CafeCommentsWindow

dispatchUserProfile(UserProfile, CafeUserDisplay)

Output: dispatchUserProfile calls changeProfile on a CafeUserDisplay to allow the user to view profile information for some other user.

dispatchLoginResponse(LoginResponse, Cafe)

Output: dispatchLoginResponse calls userChange on the Cafe root object to change state reflecting any changes that may have happened to the User and to change what is visible on their profile.

dispatchLogoutResponse(LogoutResponse, Cafe)

Input:

Output:

Returns:

dispatchPwResetCodeResponse(any, Cafe)

Input:

Output:

Returns:

dispatchPwResetReqResponse(any, Cafe)

Input:

Output:

Returns:

dispatchReqVerificationResponse(any, CafeMessageDisplay)

Input:

Output:

Returns:

dispatchNewPassResponse(any, CafeMessageDisplay)

Input:

Output:

Returns:

dispatchVerifyResponse(any, CafeMessageDisplay)

Input:

Output:

Returns:

dispatchBanRecords(BanRecord[], BanRecordsSection)

Input:

Output:

Returns:

dispatchCommentReports(CommentReport[], CommentReportsSection)

Input:

Output:

Returns:

dispatchCommentReportUpdate(CommentReport, CommentReportsSection)

Input:

Output:

Returns:

dispatchFeedbacks(FeedbackRecord[], FeedbackReportSection)

Input:

Output:

Returns:

dispatchLogs(AdminAccessLog[], LogsSection)

Input:

Output:

Returns:

dispatchModRecords(ModerationRecord[], ModActionsReportSection)

Input:

Output:

Returns:

dispatchGlobalMods(GlobalModeratorRecord[], ModeratorsReportSection)

Input:

Output:

Returns:

dispatchDomainMods(DomainModeratorRecord[], ModeratorsReportSection)

Input:

Output:

Returns:

dispatchDomainReport(AdminDomainReport, CafeAdminWindow)

Input:

Output:

Returns:

dispatchUsersReport(AdminUsersReport, CafeAdminWindow)

Input:

Output:

Returns:

CafeWindow

show()

Input:

Output:

Returns:

hide()

Input:

Output:

Returns:

CafeCommentsWindow

populateNewComments(Comment[])

Input:

Output:

Returns:

updateComment(Comment)

Input:

Output:

Returns:

resortComments()

Input:

Output:

Returns:

updateFromSettings(CafeSettings)

Input:

Output:

Returns:

CafeSettingsWindow

updateFromSettings(CafeSettings)

Input:

Output:

Returns:

verifyEmailClicked()

Input:

Output:

Returns:

verifyCodeSubmitClicked()

Input:

Output:

Returns:

passwordResetClicked()

Input:

Output:

Returns:

CafeAdminWindow

showDomainReport(AdminDomainReport)

Input:

Output:

Returns:

usersReportRequestButtonClicked()

Input:

Output:

Returns:

showUsersReport(AdminUsersReport)

Input:

Output:

Returns:

CafeLoginWindow

submitLoginButtonClicked()

Input:

Output:

Returns:

forgotPasswordButtonClicked()

Input:

Output:

Returns:

CafeRegisterWindow

submitRegisterClicked()

Input:

Output:

Returns:

CafePwResetRequestWindow

submitButtonClicked()

Input:

Output:

Returns:

CafePWResetCodeWindow

submitButtonClicked()

Input:

Output:

Returns:

CafeNewPasswordWindow

submitButtonClicked()

Input:

Output:

Returns:

FeedbackReportSection

updateFeedback(FeedbackRecord)

Input:

Output:

Returns:

requestFeedbackClicked()

Input:

Output:

Returns:

populateFeedback(FeedbackRecord[])

Input:

Output:

Returns:

clearFeedback()

Input:

Output:

Returns:

ModeratorsReportSection

requestDomainModsClicked()

Input:

Output:

Returns:

requestGlobalModsClicked()

Input:

Output:

Returns:

populateDomainModerators(DomainModeratorRecord[])

Input:

Output:

Returns:

populateGlobalModerators(GlobalModeratorRecord[])

Input:

Output:

Returns:

clearModsClicked()

Input:

Output:

Returns:

ModActionsReportSection

requestModRecordsButtonClicked()

Input:

Output:

Returns:

populateModActions(ModerationRecord[])

Input:

Output:

Returns:

updateModAction(ModerationRecord)

Input:

Output:

Returns:

clearModActionsClicked()

Input:

Output:

Returns:

BanRecordsSection

populateBanRecords(BanRecord[])

Input:

Output:

Returns:

requestGlobalBansClicked()

Input:

Output:

Returns:

requestDomainBansClicked()

Input:

Output:

Returns:

clearBanRecords()

Input:

Output:

Returns:

CommentReportsSection

populateCommentReports(CommentReport[])

Input:

Output:

Returns:

viewReportsClicked()

Input:

Output:

Returns:

updateCommentReport(CommentReport)

Input:

Output:

Returns:

clearCommentReports()

Input:

Output:

Returns:

LogsSection

submitLogsRequestClicked()

Input:

Output:

Returns:

populateLogs(AdminAccessLog[])

Input:

Output:

Returns:

clearLogs()

Input:

Output:

Returns:

UIInput<Type>

clickListen(HTMLElement, Function[], Boolean)

Input:

Output:

Returns:

disable()

Input:

Output:

Returns:

enable()

Input:

Output:

Returns:

destroy()

Input:

Output:

Returns:

CafeComment

replyClicked()

Input:

Output:

Returns:

submitReplyClicked()

Input:

Output:

Returns:

reportClicked()

Input:

Output:

Returns:

submitReportClicked()

Input:

Output:

Returns:

CafeCommentVote

upVoteClicked()

Input:

Output:

Returns:

downVoteClicked()

Input:

Output:

Returns:

CafeMessageDisplay

updateMessage(Message)

Input:

Output:

Returns:

clearMessage()

Input:

Output:

Returns:

CafeUserDisplay

changeProfile(UserProfile)

Input:

Output:

Returns:

hide()

Input:

Output:

Returns:

show()

Input:

Output:

Returns:

CafeFeedbackDisplay

hideClicked()

Input:

Output:

Returns:

CafeOwnProfileDisplay

updateProfile(UserProfile)

Input:

Output:

Returns:

editProfileBlurbClicked()

Input:

Output:

Returns:

editProfileSubmitClicked()

Input:

Output:

Returns:

CafeBanRecordDisplay

bannedUserClicked(MouseEvent)

Input:

Output:

Returns:

bannedByClicked(MouseEvent)

Input:

Output:

Returns:

CafeCommentReportDisplay

reportingUserClicked(MouseEvent)

Input:

Output:

Returns:

moderateButtonClicked()

Input:

Output:

Returns:

submitModerationButtonClicked()

Input:

Output:

Returns:

CafeLogDisplay

usernameClicked(MouseEvent)

Input:

Output:

Returns:

CafeModRecordDisplay

moderatorUsernameClicked(MouseEvent)

Input:

Output:

Returns:

CafeGlobalModDisplay

grantedByUsernameClicked(MouseEvent)

Input:

Output:

Returns:

grantedToUsernameClicked(MouseEvent)

Input:

Output:

Returns:

CafeDomainModDisplay

grantedByUsernameClicked(MouseEvent)

Input:

Output:

Returns:

grantedToUsernameClicked(MouseEvent)

Input:

Output:

Returns:

CafeDomainReportDisplay

xButtonClicked()

Input:

Output:

Returns:

CafeUsersReportDisplay

newestUserClicked(MouseEvent)

Input:

Output:

Returns:

update(AdminUsersReport)

Input:

Output:

Returns:

CafeCommentSortDisplay

settingChange()

Input:

Output:

Returns:

updateFromSettings(CafeSettings)

Input:

Output:

Returns: