Feature/Interaction	Purpose/Description	Request Data Source	Request sent to server	Processing Needed/Response Data Source	Response sent to client	Request Type & Path
Sign In	Using created username and passwords to log in the website	Button with texts("Sign in") on the log in page	JSON formatted AJAX request containing the username, email and passwords.	Verify that the user name entered by the user exists, and if so, verify that the password is correct	JSON formatted AJAX response with username doen't exist, password incorrect or successfully logged in	POST Request/users
Sign up	To create an account for the website	Button with texts("Sign up") on the left side of the main page	JSON formatted AJAX request containing the username, email and passwords.	Create an account with the username and password given by the user	JSON formatted AJAX response with successfully signed up	POST Request/users
Create event	Users will use this function to create activities with inputting contents such as texts,photos etc and anything they need to store in the website	A button with texts("Create") on the upper right corner of the main page	JSON formatted AJAX request with texts for the activity	Create an activity with user's input and time	Image in the middle of the page displaying user's input	POST Request/activities
User information	Users can view and modify their own informations	Button with texts（"User's information") on the left side of the main page	User's information button clicked	Find user's informaion:Username, password and email address	Response with username, password and email address for user to modify	POST Request/users
Calendar	Activities will be shown as tips in the calendar after an activity has been assigned by an user	A button with texts("Calendar") on the left side of the main page	Retrieve google's calendar model	Add ongoing activities to the calendar	Response with activities added on the calendar	POST Request/activities
Query activities	To show all activities created by users	Button with texts（"Query activities") on the left side of the main page	Query activities button clicked	Find all activities created by users		POST Request/activities
Delete Activities	An action that can only be done by adminstrators, delete any ongoing activities created by other users.	Button with texts("Delete activities") on the left side of the main page	Delete activities button clicked	Permanently remove the specified activity from the server	Deleted activity will not be shown on the website	DELETE Request/activities
Query People	To list all users that are registered	Button with texts（"Query people") on the left side of the main page	Query people button clicked	Find all users that are registered through sign up page	Response with all user's username listed	POST Request/users
Delete People	Another action that can only be done by adminstrators, delete any registered user's account	Button with texts("Delete people") on the left side of the main page	Delete people button clicked	Permanently remove the specified user account from the server	Deleted user will not be able to log in to the website and perform any action.	DELETE Request/users
Sign New Admin	Create a new administrator	Button with texts("Sign up") on the "Sign Up Administrator" page	JSON formatted AJAX request containing the username, email, password and administrator code	Verify that the user name entered by the user exists, and if so, verify that the password is correct	JSON formatted AJAX response with username doen't exist, password incorrect or successfully logged in	POST Request/users