

1.

Type: insufficient authorization

Problem: view other users' contact information without user permission

Detail: For current user to view a friend information can be only allowed after the user shared the contacts with current user through this url <https://ggbaker.ca/security/friends/username/>, but it is easy for the current user to change part after "/friend/" with any other username to view other users.

2.

Type: insufficient authorization

Problem: view users' contact information even not created by the current user

Detail: Current user have the permission to view contacts that created by himself, but not created by others through <https://ggbaker.ca/security/people/username/>. It is easy for the current user to change part after "/people/" with any other username to view other contacts created by other people.

3.

Type: CSRF

Problem: When creating new contacts and click the submit button, the POST request does not come with a token, this request cannot be verified by server

Detail: Submit button will send a post request to server side, other websites can use same url to perform this post request which will lead database been filled by garbage data

4.

Type: CSRF

Problem: When editing existing contacts and click submit button, the POST request does not come with a token, this request cannot be verified by server

Detail: Submit button will send a post request to server side, other websites can use same url to perform this post request which will causing database information changed by unauthorized person

5.

Type: XSS

Problem: When add new person, the name input can be inject Javascript code, which will leads to actions that it should not be