Phase 2 Chef.AI

Black Box Testing Test Plan

Test by Team 29
Team 29 Members: Sean Chew, Zuyuan Fan, Qi Meng, Ling Zhang

Defect No.	Defect Description	Defect Severity	Type of Higher-Order Testing	Test Case No. OR Description
1	Clicking on the "Sign Out" button does not allow user to sign out from the app	3	Usability	Test case 16
2	http://chefai-seeded.herokuapp.com/static/images/logo.png is not omptimized/compressed	1	Performance	The size of the logo is 343 KB(66.9 % of the entire website content data) with 4976x1157 dimension which is quite inefficient and takes unnecessary data to render this image. Compression and resizing should be applied to the logo since logo is one of the most frequent using elements.
3	Clicking on the "Chef.AI" company logo button located on the top left of each page does not bring the user back to the app's homepage	2	Usability	Users naturally assume that clicking on the company's logo on the navigation bar would automatically return them to the app's homepage
4	On login page, the wording of the two login buttons are confusing	2	Usability	The top login button with a Google logo is called "Sign In", whereas the guest login button is called "Log in" without any detailed descriptions, so it will create confusion when users interact with this login page interface.

5	On ingredients page, users have to click on the really bottom parts of the autofill bars to make the bar focus and enter things into the bar	3	Usability	When interacting with the autofill bar, user has to click on the really bottom parts to make the bar focus, which created some serious usability issues.
6	Connection fails when the number of users reaches 25 to access all recipe page and a particular recipe page.	3	Volume	Test case 3
7	Input 36 ingredients in 'ingredients to include' to generate Machine Learning recipe will crash the web app.	2	Stress	Test case 25. The screenshot has been attached at the end of the document.
8	Leverage browser caching	1	Performance	These cacheable resources have a short freshness lifetime. https://apis.google.com/js/platform.js https://accounts.google.com/o/oauth2/iframerpc http://chefai-seeded.herokuapp.com/static/css/login_style.css http://chefai-seeded.herokuapp.com/static/images/logo.png https://fonts.googleapis.com/css?family=Roboto:300
9	Cookie that contains sensitive information or plays the role of a session token is not passed using an encrypted tunnel.	2	Security	After logging in, a session token is set using a cookie, then verify that it is tagged using the "secure" flag. However, this is not the case and could lead to an attacker misusing cookie information over an insecure channel.

10	The web app has potential vulnerability resulting from failure to implement proper bounds-checking when parsing input received from HTTP POST requests.	2	Security	Buffer overflow attack by sending a HTTP POST request with a large body. The screenshot has been attached at the end of the document.
11	X-Frame-Options header is not included in the HTTP response to protect against 'ClickJacking' attacks.	1	Security	In the OWASP ZAP scan results, the X-Frame-Options header is not set for request responses from these address: http://chefai-seeded.herokuapp.com/allrecipes/*
12	Web Browser XSS Protection is not enabled, or is disabled by the configuration of the 'X-XSS-Protection' HTTP response header on the web server.	1	Security	In the OWASP ZAP scan results, the X-XSS-Protection header is not set for request responses from these address: http://chefai-seeded.herokuapp.com/allrecipes/*

Defect 7 screenshot:
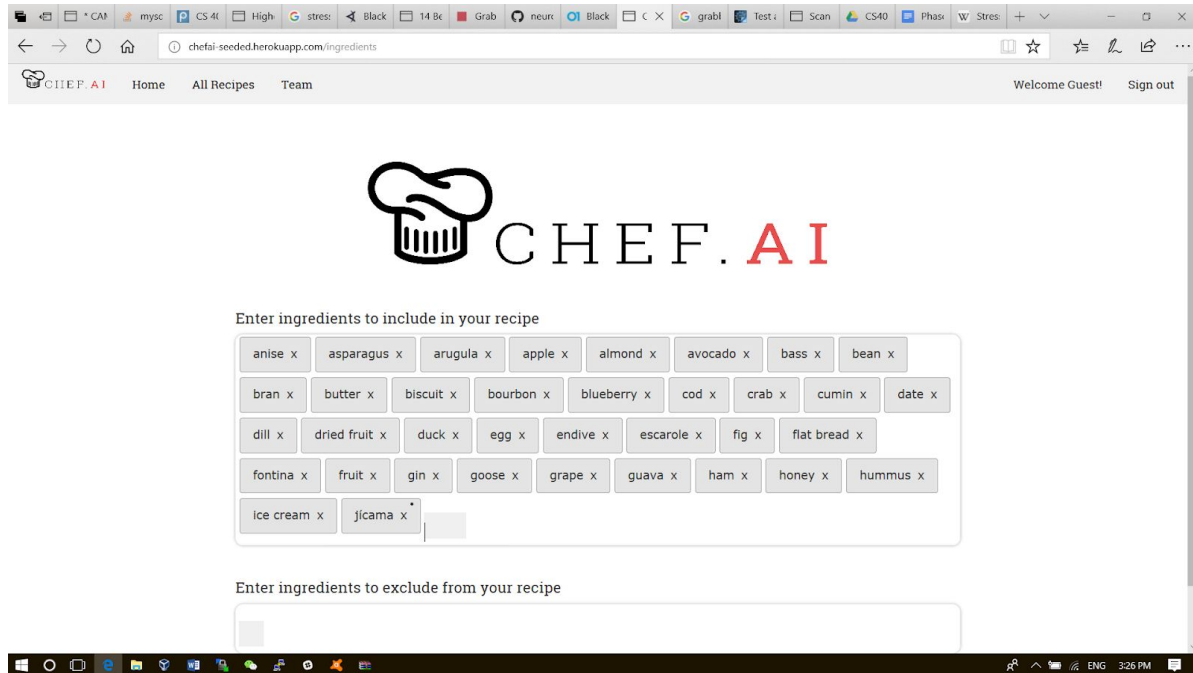
Defect 10 screenshot:

```
POST http://chefai-seeded.herokuapp.com/allrecipes/1 HTTP/1.1
User-Agent: Mozilla/5.0 (Windows NT 6.3; WOW64; rv:39.0) Gecko/20100101 Firefox/39.0
Pragma: no-cache
Cache-Control: no-cache
Content-Type: application/x-www-form-urlencoded
Content-Length: 2119
Referer: http://chefai-seeded.herokuapp.com/allrecipes/1
Cookie: session=eyJuYW1lIjoiR3Vlc3QifQ.Db-JPA.ddqz8MrxijTBWUUqMjGfDetTtIM
Host: chefai-seeded.herokuapp.com
```

sort_by=
PsNEeJrgghWwCffNFEbOXrPeTwQffOhFFQMgRuNKbmaxRNmKIGknqihxgteiCTWIuCJeKSxeoy1KwEPanDsqgD
GbwCVkGRXZwlrkyMLsnpiIZlvQtJZkSdWjMJiEeJXvFRWSthDsUHhNPGPslfhfFuKZTaHxlKtsrLEUtAoBhFHr
WoLJfirWmxgRfnLFjZHAlWafeGBwncDxgbOTMPOgnDNtlAGDwwdcGxaWqbSwOkkHyHwARwDJjNCnIJtcJmlYEC
ABWUUNktpfVSAfvBhhUCHPERLmfmWZattrtuXQZXpPDvmvcnoRKCCHQYoNjHPnMtqGKZlKxgiXfZTPnIZWxWqM
YNkosJdsMCNkaUSWNsCJkPLTYBVhgrFnrLGLeBmUPZfmqxwtvPNwKEtIshVHpPkGuaPCVnYtBWiwJNpClTZtdH
xQkZUSvVTsuFPydBqbjaMpMBIHHpEHmcJCDgwtBsSOTSqfpHOAfPjQyFDesUyYBkdKpKTJaPnGnOkLBYeLBRHC
HustgwJKXWxitfCluXqhjtVHRZADMBfTclHjjuDtUJFAWiwNgSmYJKUXoxmkNChgGItgEACtifCHkrasCxVkrS
UnUnwPhWYeDDbKGmFpiYXTMTokKtkNHujUjmRRkUkqXrXAebeAZEOPecuQAfnVhfIQWkNUnAsJKGSMxuHFPaxa
PvEbQJQNkbrcZGYjPZilTFHDkbKVJNZHNcMjVeLrRgnrfVImWkHnRcEuKxUNxJkCQWZCRQJjApQumFFiWyiIyu
lLjunRdcxKoBHoZitIDwJoNMyIEmTKWakMoeEoJXsbZqTZYQydKrATYnVcnwLKvGJmWBVEHayYlmYSpbyNtMuc
KkVUHOnoOnEdDfiFNAwQJcVHbGacBlbIPagjQotZWJFHvXIpxBvfpHquEXOClLNsTBxwUOlkZeUywdLREuwZyr
opUdprMQnNJFiNKonjnBpMTlsDhZFxdKgYuSUUNjAtLYPPYrAXDuXomsbqSDrSwAuntknZYJbekovvnKWBwqNP
CHvSLZPltLYLVXJsWDCkAeOcwXvWlHhjfelWWlsOvWZnlnCfVqeugLsdbpaKJtnuyLTUmvoYpOequLVITTqFlA
sHmOHNjLkIAshwJJGsrcSnimuHyrBomWGZAbTlVuhRdIEprhgcaLDKqlJluLAJSMulMAIkWcloHZtidsPVsIYw
xuNMFBSKkExxHUabpDxXfnLfkpaOlZddNQADUKxkIsJYnTiUeYOlbYxXlnouTVskUPscGJQswktPvCjlskvUjv
HSntYclHkKEJABOMHRfEoobJQjrHWIsmpTjcPkHIxOjZQtpeapenUPkiVSmmjcblTLqsYATQAoGIEgMfbQHCLb
MGShwhmDSigflyHYbRdgKlLDBBsJUrHAwQXbGkqAcWkKennOerngTLjsXNRCkqWmuLgfDxLVuIwyVbSUHPOjeq
teCkDswvMkqQfCVVlcWeJWtBwTJbtqAaRZsrvaXJVgWyTdgkZyiERVqFIrFWfukflHKgGMGpXGvosKBsAilrHa
iOeOeVknursASvcmvolhFmcHeFlTvkkiFKTtAqjsMjBYkxTsXMCyENwbPpdTayhAadQcCdvLiJIEEvZehGOKOw
MEGgEuKBTOOUjrqIyqHAoMxVwJKsWqoZuVbClviVesSfUbpTcjKmNLjKwTMUcsHCapbnYBvTGnECmppqVAHbJN
JLpTcjYJsdRNMNOOKJipXuMVweWMBMMJemIcKmLZHnBgcoYqZxIjqHGueBqmhiXtvXubBTqasQkRwXFCmDjUJe
JlRdPjPHVMXOFMLPQePetlXKfXcYADhVeKGfcnYZcqjGwGCqKJBAPcNfSmUtyRZfMYIhDVomIYUaahysflbLTN
kAATLHCsyTGWpxPYLfkaJVvSJOApjglQRsDsGLJNkSNjpkAuQJaKLRiQHervAqNTDfZCVCXPxpvFyHUdMfMopv
VsrqYuKwDTQhPmvvWnHtLAMevjYrIdVKpBQOyQDjGvcMBMrHswEgMuWdHUtMPUfYvwsLNbQuhsttSlmuPvGRRL
qIKokXwJvhLwNwGfgmTVFyQiPqagqMcNcnUU&order=Desc

chefai-seeded.herokuapp.com/allrecipes/1

builtins.TypeError

TypeError: 'NoneType' object is not iterable

Traceback (most recent call last)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1994*, in __call__
    return self.wsgi_app(environ, start_response)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1985*, in wsgi_app
    response = self.handle_exception(e)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1540*, in handle_exception
    reraise(exc_type, exc_value, tb)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/_compat.py", line *33*, in reraise
    raise value

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1982*, in wsgi_app
    response = self.full_dispatch_request()

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1614*, in full_dispatch_request
    rv = self.handle_user_exception(e)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1517*, in handle_user_exception
    reraise(exc_type, exc_value, tb)

File "/app/.heroku/python/lib/python3.6/site-packages/flask/_compat.py", line *33*, in reraise
    raise value

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1612*, in full_dispatch_request
    rv = self.dispatch_request()

File "/app/.heroku/python/lib/python3.6/site-packages/flask/app.py", line *1598*, in dispatch_request