

How to run FreeFoodEngine

FreeFoodEngine is a web application that uses html5 technology. So, in order to run FreeFoodEngine all a user needs is modern browser. FreeFoodEngine is optimized for google chrome and mozilla firefox. To use FreeFoodEngine, user's must have a Facebook account in which FreeFoodEngine will link their Facebook account into FreeFoodEngine. User's must also agree for FreeFoodEngine to access some of their Facebook information to be used in FreeFoodEngine.

Requirement for execution (<https://www.openshift.com/developers/rhc-client-tools-install>)

Resources requirement: Apache Server (for local testing)

Windows: [RubyInstaller 1.9](#) and [Git for Windows](#)

then install rhc command line tool by `C:\Program Files> gem install rhc`

Mac: install [Git for OS X installer](#) and ruby should come with Mac. Then `$ sudo gem install rhc` and `$ rhc setup`

Linux: `$ sudo apt-get install ruby-full rubygems git-core` then `$ sudo gem install rhc` then `$ rhc setup`

If testers want to test on local server instead of the cloud server, just install **XAMPP** for windows and **XAMPP/MAMP** for mac. And set the inc/database.php to connect to local mysql server. And drag all file to root folder of Apache (www/).

Instruction for execution

- Clone the repository
 - `git clone ssh://52e7185e4382ec90dd00013e@freefood-weiqing.rhcloud.com/~/.git/freefood.git/`
- Create a openshift account (Contact us, we'll add you permission to modify server files)
 - `https://openshift.redhat.com/app/account/new`
- Setup the rhc command line tool if not done (See above, should logged in)

- Change to the folder of php and all codes are there
- View the website at <http://freefood-weiqing.rhcloud.com/> and database can be accessed by <http://freefood-weiqing.rhcloud.com/phpmyadmin>
 - Database: freefood **User:** adminkhTSUBS **Password:** IR-e9xcaYB_Q
 - If prefer mysql console, one can ssh to the server shell by typing following in terminal: ssh 52e7185e4382ec90dd00013e@freefood-weiqing.rhcloud.com
 - If prefer local testing, you need apache server and mysql server (Download **XAMPP** for windows and **XAMPP/MAMP** for mac) and reconfigure (**inc/database.php**) the configuration for mysql connection. And use sql file included to import the tables and datas we used in the cloud server.
- Make some changes and type \$ git commit -m "something"(or include git add .) and \$ git push to push the code to the cloudserver and website should be changed.

Defect Log

Defect #	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Black/White box testing	Severity
1.	Google map doesn't display user's location when events are added to two different location(ie. Purdue University and New York University)	Zoom's in user's current location	Zoom's out of user's location to show both events	Don't set a bound when an event is added	Black Box	2

2	In Create an event form, url field is not validated	User are not allowed to submit an event with invalid url input.	User can still submit even if a none url input is given	Declare the input type to be url.	Black box	1
3	Markers overlap when events are at the same address	Markers dont overlap when events are at the same address	Markers overlap	At random number (ie. 0.00002) to the latitude and longitude.	Black Box	2
4	User has no way to return to home page once they enter their profile	User will have Home page button on their profile	No home page button on user's profile	Add a homepage button that is linked to home page	Black Box	1
5	User has no way to return to home page when they click on an event for more information.	Each event page will have a home button	No home button on event pages	Add a homepage button that is linked to home page	Black box	1
6	User not able to submit create an event form	Data from create an event form is sent to database	Data not sent to database	Remove conflicting jquery library. Remove repeating imports of jquery library.	Black box	3
7	Info window in google map are large	Info window are small	Info window are small	Change width of info window in infowindowoptions	Black box	3
8	All date and time are display in an infowindow	Date and time that are relevant to an event is displayed in infowindows	All date and time in database is displayed in infowindows of all events	Access each date and time separately. eventime[nextAddress] nextAddress++	Black box	2
9	Any input into	Invalid input will not be	Invalid input's will be	Specifically validated all field in	Black box	2

	create an event form is acceptable	allowed to be submitted to database	submitted into database	create an event form		
10	Logout button redirects user to create an event form	Logout should redirect user to login page	Redirects user to create an event form	Change the direct url to login page	Black box	1
11	Facebook share button, does not grab the event information	Facebook share button share information about certain event	Facebook share button only have title from main page	Added title dom in each event page so that facebook share api can grab title	Black box	1
12	Google map doesn't zoom into user's location	Upon page load, google map zoom's in to user's current location.	Google map zooms in a random place.	Get user's location and set it to the map	Blackbox	3
13	More than 5 events per-page are displayed	Only 5 pages are displayed in one page and if user want to load more events they have to click on load more events	Displays very event on one page	Create a ajax function that limits only 5 events per page and gives user an option to load more events	Black box	2
14	Google geocode will fail when number of query requested exceeds 2,500 request	Google geocode should be able to handle unlimited amount of request	Google geocode fails after 2,500 requests	Set time out and delay for each request.	Black Box	3
15	Comment is not disabled while sending.	Should disabled the comment input box while sending the	The comment box is not disabled and user can hit enter multiple	Added javascript to disable the comment box input	Black box	2

		request	times if the connection is slow			
16	In user event page, if all events are deleted, the events list is blank. Nothing was shown to indicate empty.	If all events are deleted, a text "EMPTY" is displayed to indicate empty	Leaving the event list blank looks like some error occurred.	Try to check when the list was empty and create an element to display the "EMPTY" text.	Black Box	3
17	In user event, event doesn't belong to current is also displayed.	Only the events owned by current user is displayed.	The events are queried with the match of user's Name. If two user have the same name, either of them could update or delete each other's event.	Modify the query request, use the user_id to match the right user.	White Box	2
18	User could manually type in an invalid year, which looks like year 10001, will not display the event in the list.	If user typed an invalid year, the form is not able to be submitted. User is notified to change the year.	If user typed in an invalid year, the data was saved to database incorrectly and can never be displayed in the homepage.	Check the format of time input.	White Box	1
19	Create an event in the past	User should not be able to choose any time before current time. A event in the past make no sense.	User could create an event with the time of the past.	Don't allow user to submit a form with a time before current time.	Black Box	2

20	Comment box is not emptied when JQuery Ajax failed and no information to notify user	Should notify user the comment sent failed and emptied the comment box	Comment sent failed and user will still get a comment appended the event and no notification.	Catch the failed case and notify user.	White box	2
21	The update form does not include the original values and if submitted, the event will have empty fields	Should put original value in the input fields	The update event form have the same empty field to fill out as the create event	Modify the update.php and added javascript and php to show original values	Black box	1
22	Ask for user geo location when not logged in	Should only ask for user's current geo location after logged in	When open up the main page not logged in, a pop up will ask user for geo location	Change the position of the PHP and put it after authenticating user login.	Black box	3
23	Google map not responsive to different resolution	Google map should automatically shrink or expand to the size of the screen	Google map stays the same size as in the web browser	Put google map into a bootstrap span div.	Black box	2
24	The connection to database is not closed after each query call	The mysql connection should be closed after a function call	After a function queried from mysql, the mysql connection is still on	Close the mysql connection by mysql.close() using php	White box	1
25	In a user's own page, two characters "> " are displayed. Need to be deleted.	The page is clean. Nothing strange is displayed.	The characters are shown.	Find the characters in HTML and delete them.	Black box	3

26	Like button doesn't increase before refreshing.	The like button will increase the like count right after clicking the button	If user click the like button, the like count is not increased. The number will change only after user refresh the website.	Write a javascript to do so.	Black box	2
27	The location marker can be dragged.	The location marker indicate a point and can not be dragged or moved.	A user could drag the location and drop it to somewhere else. Although this will not affect database, but this should not happen.	Make the location marker unmovable.	Black box	2
28	User could create identical events with filling the same information to the form.	The website will refuse to accept identical events.	If a user fill in two events with the same information, the same event is saved to database.	Check duplicability before insert the data into database.	Black Box	1
29	Clicking on a user's photo will direct user to the top of the page.	Clicking on a user's photo do nothing and remain the same location where user clicked it.	After clicking the photo, the page was scrolled to top and nothing more is changed	Modify the action after clicking the photo	Black Box	3
30	The user name of a user cannot be clicked, but is was displayed as a link.	The username is just displayed as text. User won't have the tendency to click the username	The username is in the style of a link.	Change the style of the username.	Black Box	3
31	In an event page,	In an event page,	Link of Home button	Change the link of home button.	Black Box	3

	the home button under the username is not functional.	clicking on the home button will link to the homepage.	is wrong. Nothing changes after clicking the home button.			
32	If a user click the delete button, no confirmation was needed and the event is deleted.	Pop out a dialog to let the user to confirm deletion. Provide "cancel" button to cancel the operation.	Clicking the delete button will simply delete the event without any notice. User have no way to recover the event.	Require user's confirmation. Check user's selection to decide whether deleting the event.	Black Box	1
33	After clicking delete button, the event on the page is still shown. Only after refreshing the page, the event is gone	Clicking the delete button will delete the event either in database or in current page.	Clicking the delete button, the query has been sent to the database and prevented further operation listen by javascript. So the event in current page still show.	Change to logic to do so. Always run the javascript. Use the script to do the query and then delete the event in current page.	Black Box	2
34	Comments will not be collapsed	Separate comments into different pages	Comments are displayed regardless how many they are.	Added code to separate the comments into different pages	Black box	2
35	The unrecognized position will be stored in the database	The unrecognizable event location should be located just in Purdue	The unrecognizable will be random result in the google map	Append "Purdue" to location string	Black box	2
36	The delete will only delete the row in the event table but	The delete should delete the event and all like, comments	The delete only delete the event row in the event table.	Added sql to deleted all the associated rows in other tables	White box	2

	does not delete the related table rows	associated with the event	Comment and like_rel table remains the same			
37	The dynamic append button will not work	The content loaded by ajax call should be listened by javascript	The button does not respond when click on it	Use on() method of jquery to listen to this newly appended content	Black box	1
38	User can sql inject the search input	Should check the sql injection and prevent user inject the query	User can input some injection to get all the events in the database	Use PHP binding and mysql_real_escape_string to avoid sql injection	Black box	1
39	The form for event will not handle quotation marks "" , escape \.	When submit, the string be parsed and added escape character automatically	The event name or detail containing quotes will not be submitted	Use php function addslashes() to fix the escape characters	Black box	2
40	The event time of events happening in the next 7 days are displayed confused	The events should display the events in next week with next Monday, Tuesday...etc.	The events that will happen in 7 days have the event time only Monday, Tuesday but does not tell if it is next week or this week	Modify the function in events.php that convert timestamp to a human readable time.	Black box	1
41	When comment is too long and got submitted, the database will cut off the string	The comment box should prevent user input long comments	User can input very long comment but only got saved with a certain length	Use javascript to check the length of the input value for comment box.	Black box	1
42	The event create form will not	The form should validate the field that	The form does nothing when user	Added javascript to show some information about validation of	Black box	2

	validate the required field and prevent user submit with no information	are required and if they are not filled in, the color of border should become red	leave one or more required field empty	the form and change the color of the border		
43	When the content of an event is too long it is not collapsed	The content should be collapsed and provide a read more button	The very long content of an event is displayed as it is and will take up a lot of spaces	Added the php to check the content string and make a substring of it if it is too long and create a redirection to read more.	Black box	3
44	When adding like relationship to the table, it does check if there exist certain event id and user id	A user should only like a event once	The user can like events lots of times	Added a sql to check if there is an row has the same event id and user in the like_rel table	Black box	2
45	The ajax loading page in the index.php count the number of total pages wrong	Should show no more events when there are no more events to load using ajax.	User will click load more to get more events loaded but no events come up when the button still shows load more events.	Use php embedded in the javascript to check the total ajax loading pages.	Black box	2
46	The slice of pizza images will not updated as like numbers	Should added one more slice of pizza when clicked on like button	User clicked the like button and the like number incremented while pizza number is same	Use Javascript to append one more div of pizza image to the current event.	Black box	2
47	The characters	Should handle all the	User can input some	Change the database encoding	Black box	2

	from other languages will not be displayed correctly	unqiue coded characters	characters from other languages and the characters are unrecognizable characters	to utf8		
48	User can view other people's posted events by input others uid in the url	Should block the user unless the logged in user has the same uid	User can goto other people's profile and delete events of others	Added verification when user wants to view his/her profile page	Black box	1
49	Some urls redirections are hard coded which will not work once changed the domain name or test locally	Should handles all the redirections correctly	The redirection will issue a 404 Not Found Page in the ajax call.	Use PHP environment variables for these redirection url	White box	1
50	Navbar buttons disappear on small resolution devices or web browsers	Should show a collapsed button that can expanded the hidden buttons	No buttons at all on a small resolution device on the Nav bar.	Use bootstrap to create a class for the DOM of those buttons	Black box	3